



STARWATCH iTDC PRO II

Software User Manual

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STARWATCH iTDC PRO II Introduction

This chapter explains STARWATCH iTDC PRO II main functions and installation environment.

STARWATCH iTDC PRO II Main Functions

This software connects the iTDC controller and PC via Serial and TCP/IP communication to send and receive data. It uses the data received to run its many functions.

The controller and software are mutually connected to provide access control for higher security. It also has a variety of applied additional functions to manage access control. The user's event data can be used as basis for time attendance reporting, as well as access control in corporate environments.

- **Multi Port Support**

This configuration can be applied from address 01 up to 99. Using Serial or TCP/IP communication, you can connect up to 99 devices in one loop. One loop can connect up to 32 controllers (change of communication chip expands to 255 controllers). However, if you go over the fixed number of controllers in a communication loop, the PC resources may not support the setup. Use the loop to gain the best possible communication management depending on the environment.

- **Multi Language Support**

Multi Language support has two main languages as default (Korean, English). Additionally, 5 other languages are supported through user's input. Using a separate multi language definition software, the user can change the English characters into their own language as default to use the software in their own language.

- **Card Holder Management Function Combinations**

Card Holder Management gives you the user's basic information (name, company, dept, etc.) in addition, access group and time attendance data can be input and modified in one screen.

Also, registration and deletion date can be scheduled for automatic deletion on set date.

Specific user can be deleted through card holder management, and can be recovered later on by managing separately. The deleted user current status can be known.

- **Deleted User Managing Function**

The deleted user from card holder management is processed separately, and can be recovered to put into normal status, without any need to reenter the user data. Also, deleted user's current status can be seen as a report by making an inquiry.

- **Visitor Management Function**

Visitor management is processed by identifying the user as non regular card holder. Visitor's data contains company, name, and reason for visit, visitor, visiting dept. Access area and time can be controlled by access group.

Automatic delete function through specific date and time registered will erase card number. Also, visitor's current status can be seen as a report by making an inquiry.

- **Map Function**

Map can be setup using area and floor as basis to the corresponding floor. Door and sensors are shown as icons, and depending on user options, the time of day when an event occurs will be shown automatically on the map.

- **TCP/IP and Serial Communication Simultaneous Support**

Using multi port function, network and serial communication can be activated simultaneously. Set loop 1 as serial and loop 2 as network configuration to activate simultaneously using both loops.

- **Alarm Event Acknowledgement**

Using Alarm Event Acknowledgement, when an event occurs, the manager can input detail of information to acknowledge the alarm.

All alarm events must be acknowledged by the manager to have the alarm event cancelled. The acknowledged result is stored in database for later retrieval as a report.

- **Alarm Event Type Color Indication**

Using color to differentiate alarm event type gives easy monitoring in one screen. The alarm event acknowledged by the manager is shown in black.

- **Various Access Control Reports**

Software contains reports of card holder, deleted user, access current status, alarm current status, visitor current status, user permitted per authorized door, individual permitted door, and final access area giving variety of access control reports.

- **Work Attendance and Various Related Reports**

Work attendance management function is included in basic form, therefore separate software is not necessary.

Individual work hour and holiday setup is possible. You can configure expiration for date, month, and year to support report retrieval by making an inquiry for work hour data.

Using the work hour data, you can calculate work hour, tardiness, leave of absence, overtime, holiday/weekend overtime, days worked, days of tardiness, and days of leave absence.

User can modify the user data to reflect on expiration day, month, and year after the final worker ends the shift for the day.

All work hour data can be sent to Excel file or text file to be used in other applications such as ERP.

Reports support type by individual, day, month, month detail, yearly, and can be converted to look like HTML, PDF, and Excel format.

- **Various Export and Converting Function**

Software supports export and converting function through inquiry and report function.

The file is sent as text or Excel format. In this case, connecting the file to other applications (time attendance, wage, and ERP) can be efficient.

In converting function, the report is converted to Excel, HTML, and PDF in its original form. In this case, the file can be converted to be sent to the internet and email for data report transfer.

- **Various Options**

User can setup various options.

You can setup event type indication, and saved database existence. By setting up .wav file for each event type, you can have an alarm event sound.

Also, when an event occurs, email dispatch function can be used if email server is present at location. Email dispatch will be sent out to up to 3 people in matters to alarm event current status.

Map indication existence can be setup by event type.

- **Uniformed User Interface**

User interface is uniformed by, using an icon for each function with one click operation for overall ease of use without difficulty. Also, button key by menu type and function can be setup to operate function at once.

STARWATCH ITDC PRO II Installation Environment

Operating System

STARWATCH ITDC PRO II is a 32 bit Windows compatible SOFTWARE. It operates in Windows 2000 Professional, Server Edition and higher versions, along with Windows XP Home and Professional Edition.

STARWATCH ITDC PRO II does not support Windows 95, 98, ME, and NT 4.0.

It is recommended the software to be installed in Windows 2000 Professional or Windows XP Professional. These operating systems are powerful and stable for software operations.

Database Server Configuration

It operates in Microsoft SQL Server 2000, Microsoft Desktop Engine.

Minimum Configuration

Minimum configuration is no more than 10 Controllers and 40 readers for the system. One or two loop usage is suitable. Maximum users of no more than 100-200 users recommended in configuration. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium III-700 MHz or Higher
- ✓ Memory: 128 Mb or Higher
- ✓ HDD: 2 Gig min.
- ✓ Port: 2 serial port or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Microsoft Windows 2000 Professional or Windows XP Home

Recommended Configuration

Recommended configuration is no more than 60 Controllers and 240 readers for the system. Four loop usages are suitable. Maximum users of no more than 500 users recommended in configuration. In this case, it is good to have a separate PC to operate independently. It is recommended to use general PC mfrs and servers matching configurations below. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium 4 or Higher
- ✓ Memory: 256 Mb or Higher
- ✓ HDD: 4 Gig or Higher
- ✓ Port: 4 serial port (Needs Multi Port card) or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Microsoft Windows 2000 Professional or Windows XP Professional

Performance Configuration

Performance configuration is no less than 60 Controllers and 240 readers for mid to large size system. Also, 8 ports or no less is suitable for operation. Maximum users of no less than 500 users recommended in configuration. In this case, it is good to have a separate PC to operate independently. It is recommended to use general PC mfrs and servers matching configurations below. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium 4 or Dual processors.

- ✓ Memory: 512 Mb or Higher
- ✓ HDD: 8 Gig or Higher
- ✓ Port: 8 serial port (Needs Multi Port card) or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Microsoft Windows 2000 server or Windows XP Professional

Other Configuration (Network, Modem)

Besides using serial communication, iTDC can use TCP/IP and Dial Up using a modem for communications.

In TCP/IP communication, there is an external converter (NetEye 1000S) or an internal module on the main board (Optional) giving you 2 types of converters.

To use TCP/IP communication, you will need either an external converter or internal module, and the PC has to be able to use the network.

If using a modem, you need to use an external modem. For assurance of tech support and device compatibility, we recommend 3 COM's US Robotics 56K External Modem or NetComm (<http://www.netcomm.com.au/>) Roadster V92 External Modem.

For detailed explanation regarding TCP/IP and modem communication, please refer to chapter 7 (TCP/IP communication) and chapter 8 (Dial Up communication).

STARWATCH iTDC PRO II Installation

This chapter explains STARWATCH iTDC PRO II installation.

STARWATCH iTDC PRO II is to run on data base of MS SQL Server 2000 or of MSDE.
Install one of the above data base servers. SQL server 2000 or MSDE must be installed to operate STARWATCH iTDC PRO II.

SQL Server Installation

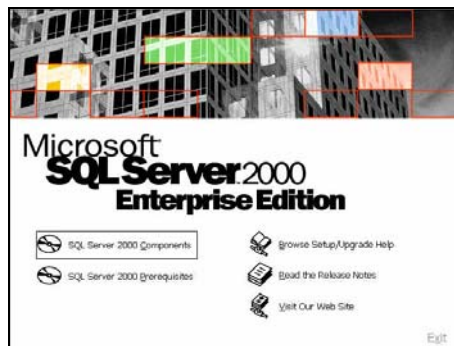
+ SQL Server 2000, data base server is required to operate STARWATCH iTDC PRO II.

Use SQL Server 2000 Enterprise Manager version or upper.

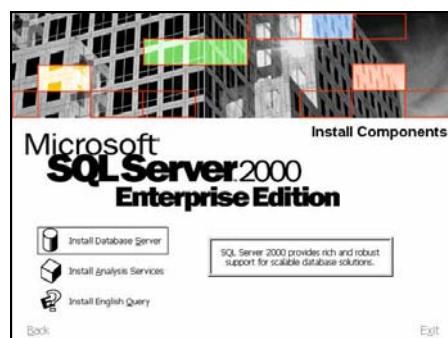
Recommend SQL Server 2000 Enterprise Edition.

SQL Server 2000 must be installed Windows 2000 Server only.

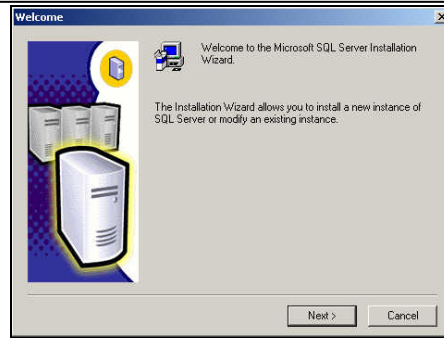
- 1) Select SQL Server 2000 Components.



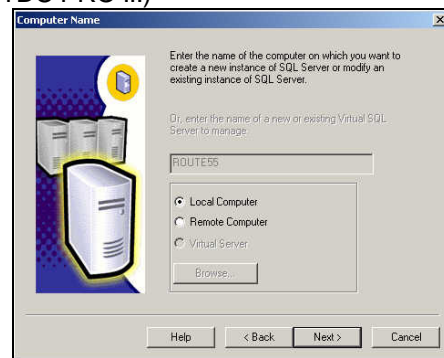
- 2) Install Database Server.



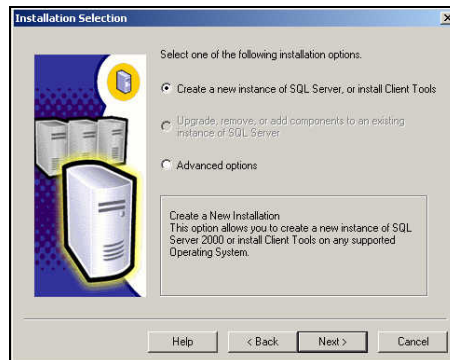
- 3) It shows Database Server initial installation window. Click Next to continue.



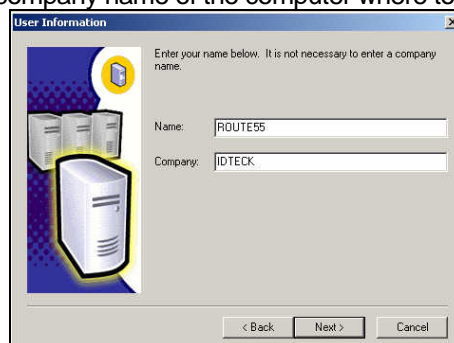
- 4) Select the computer to install Database Server. (Generally, install Database Server at the computer where to install STARWATCH ITDC PRO II.)



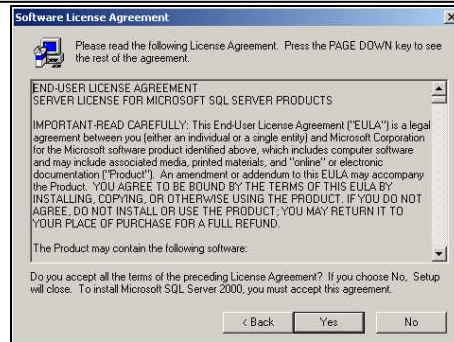
- 5) Install Database Server and Database Client Tools.



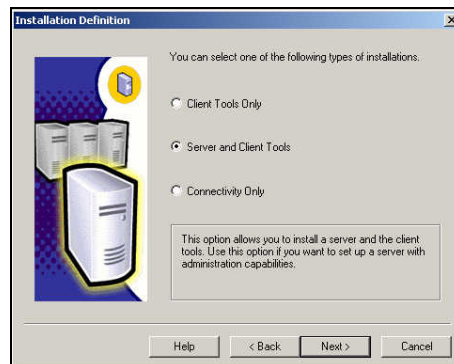
- 6) Type the computer name and company name of the computer where to install Database Server.



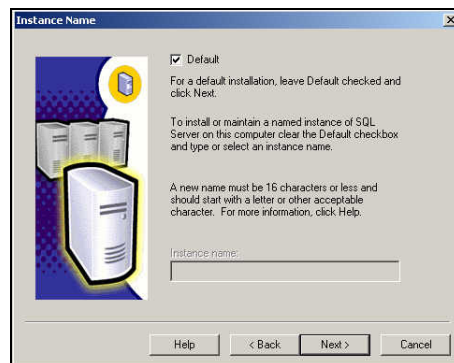
- 7) Click yes for Software License Agreement.



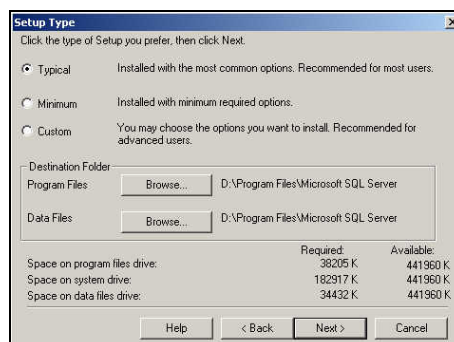
- 8) Select **Server and Client Tools** for component type as follows.



- 9) Type or select Database Server Instance Name. To name it same as the computer name check "default".



- 10) Select type of setup and location.
Generally, choose "Typical" and " program files".

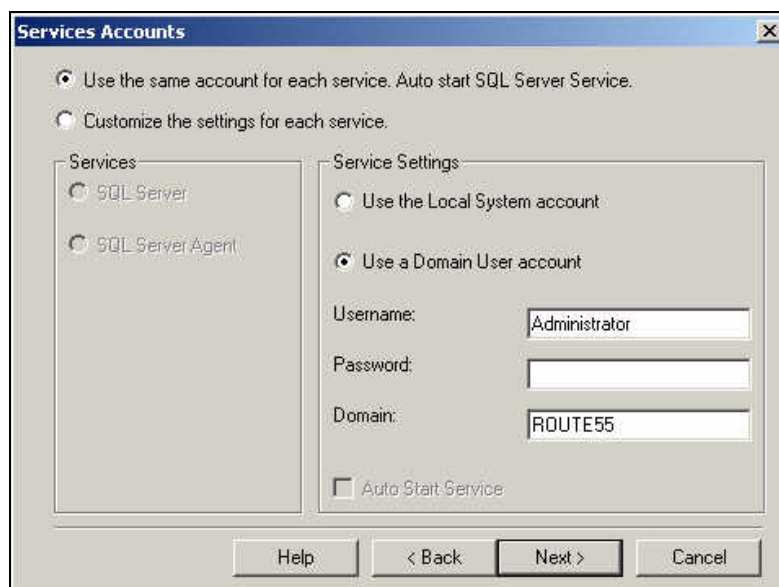


+ The following " Account" related section is very important. Please follow the setup instruction carefully.

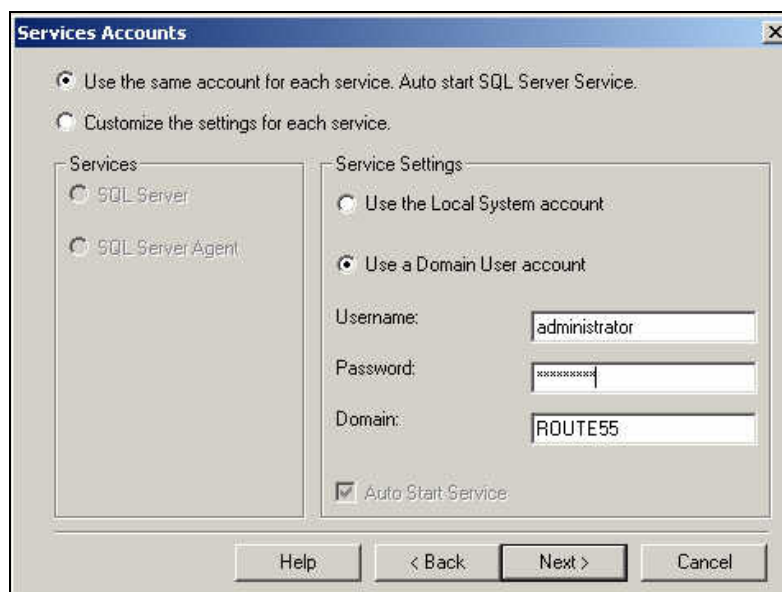
- 11) Select 'Use the same account for each service. Auto start SQL Server Services' for Services Accounts.

It makes SQL Server start automatically when OS is opened.

To use the computer system account as services account check 'Use the Local System account'.
To use a specific account, 'Use a Domain User account'.

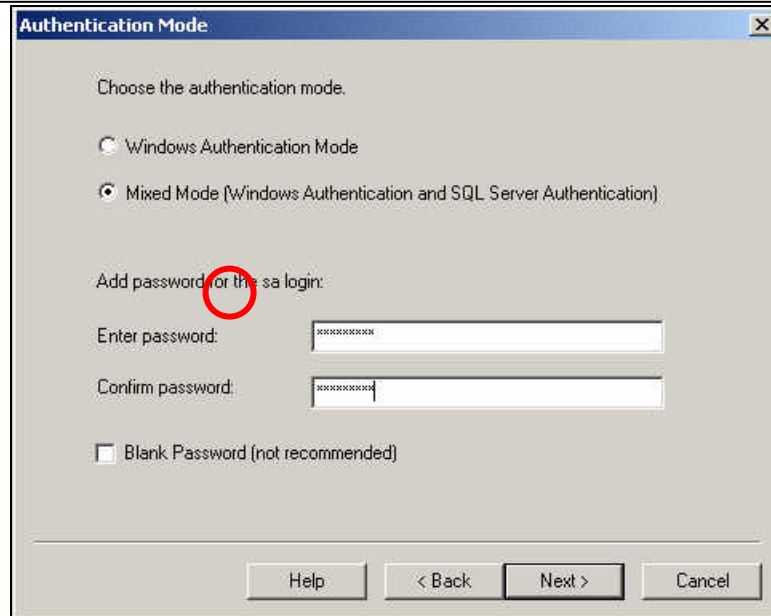


12) If select 'Use a Domain User account', type its password.

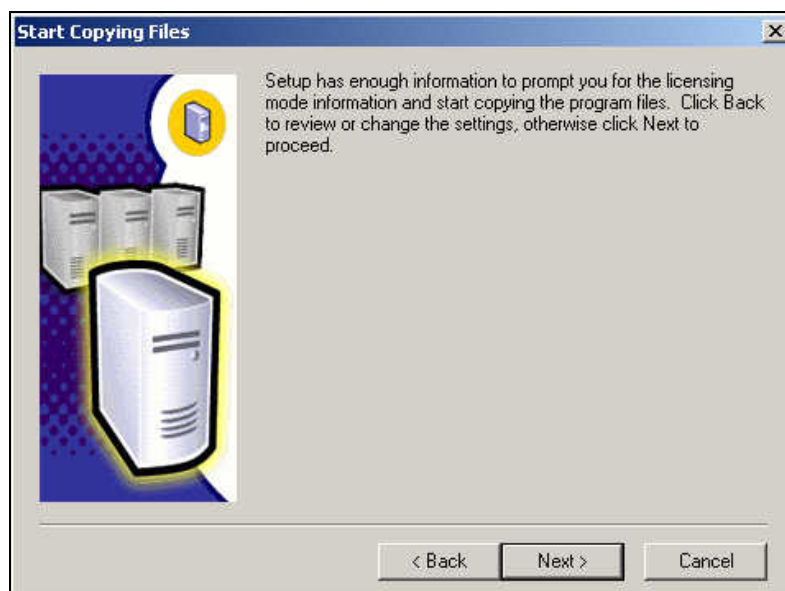


13) In case of Authentication Mode MUST choose '**Mixed Mode**'.
Type the password for SQL Server general user account '**sa**'.

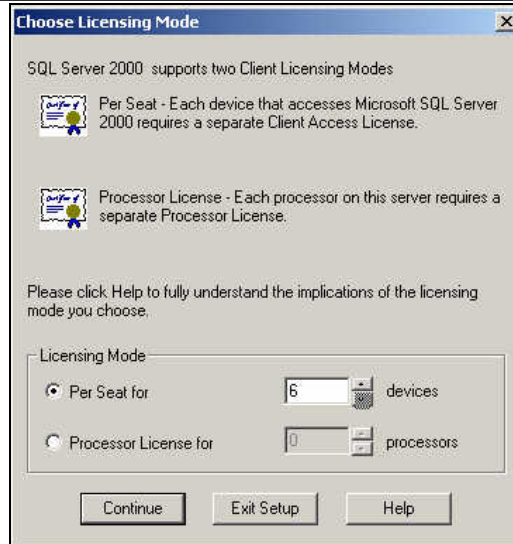
May use general password '**starwatch**'
Or for other specific password, type it.



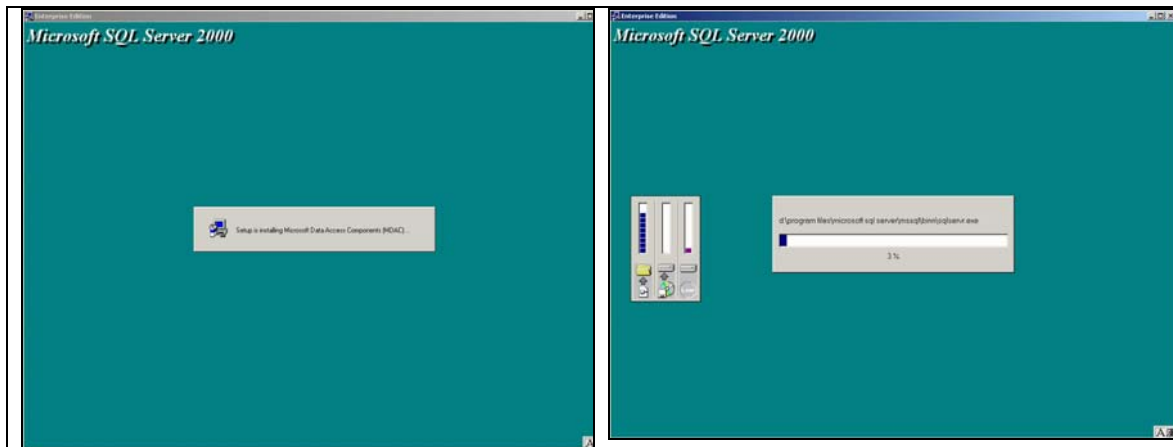
14) It starts file copy.



- 15) Set Licensing Mode as '**Per Seat**'.
Select Device number Access control server + client number.
In case of Starwatch iTDC Pro client 5 units, server 1 + client 5 = 6.



16) It starts installation.



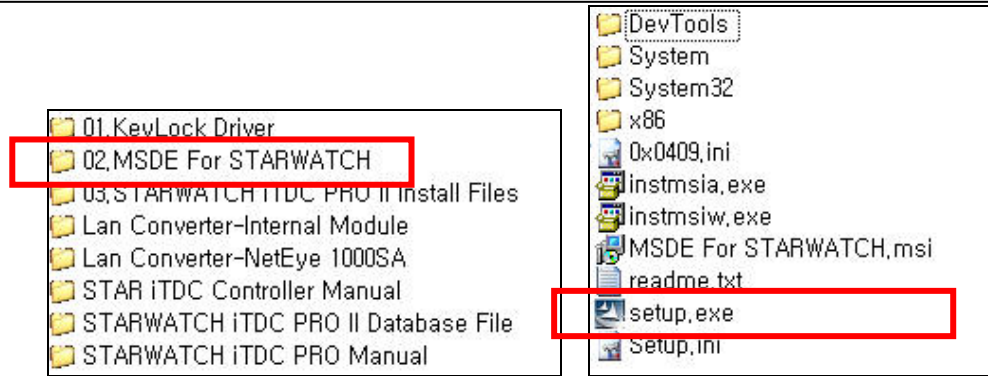
17) It finishes Database Server setup.



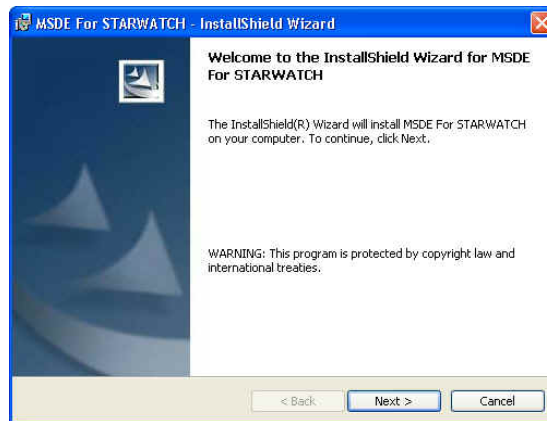
MSDE Installation

Find the MSDE install file in the STARWATCH ITDC PRO II CD of IDTECK.
Use a MSDE management freeware or other tools in order to control the data base if necessary.

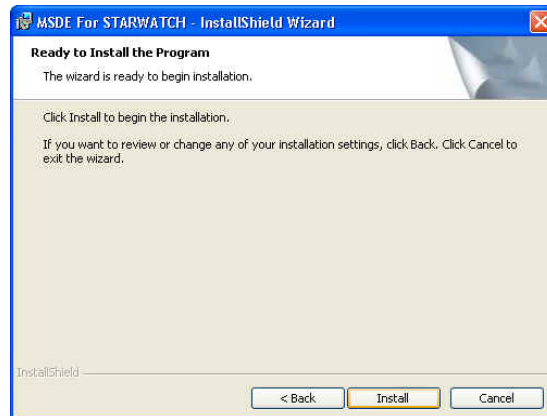
- 1) Choose "MSDE For STARWATCH" in STARWATCH ITDC PRO II CD.
Run "Setup.exe" file.



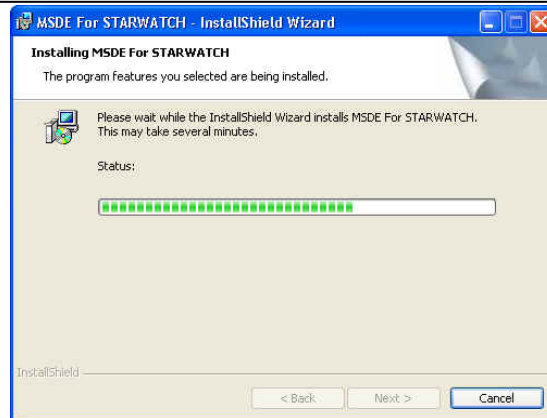
- 2) The window of MSDE installation will be showed as below. Click “Next” to process.



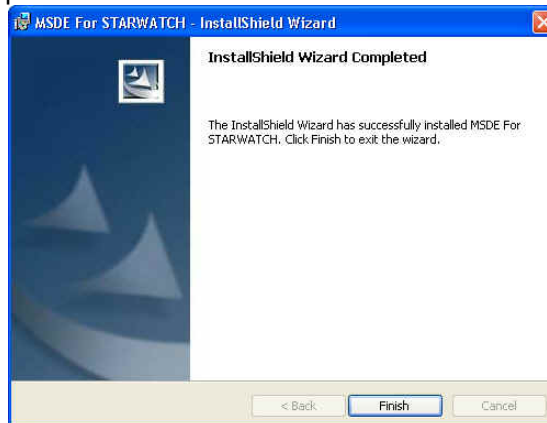
- 3) Click “Install” to start.



- 4) MSDE installation is to be processed as below. It may take some time depending on its system environment.



5) MSDE installation has completed as below.



The initial ID of MSDE is 'sa' and there is no initial password.

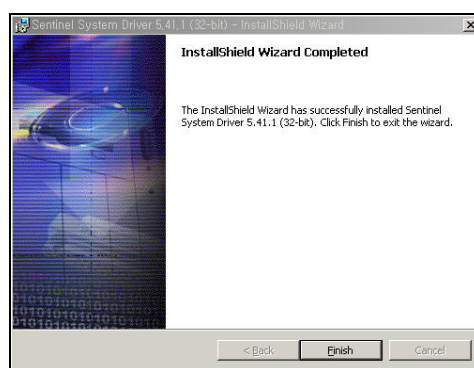
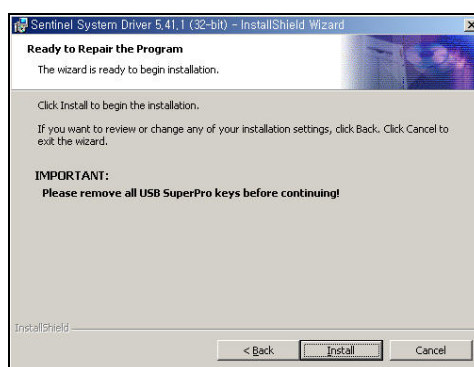
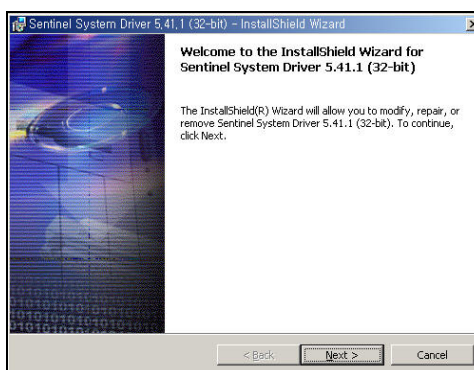
ID and password will be asked during the data base connection to STARWATCH iTDC PRO II.

STARWATCH iTDC PRO II Key lock Driver Setup

+ Software key lock must be installed to use STARWATCH iTDC PRO II , STARWATCH iTDC PRO II CL to control.

Key Lock driver also need to be installed to identify.

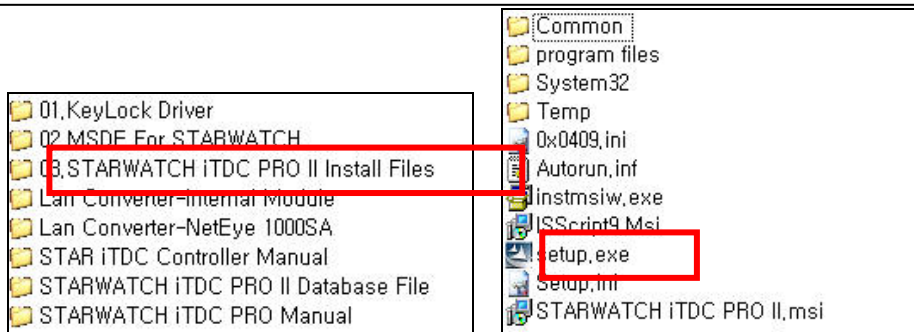
- 1) Run SSD5411-32bit.exe which is included in CD.
Follow the steps to install driver.



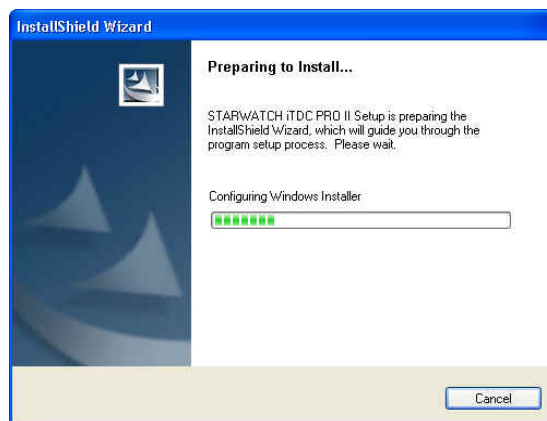
STARWATCH iTDC PRO II Installation

+ Install STARWATCH iTDC PRO II or STARWATCH iTDC PRO II CL.

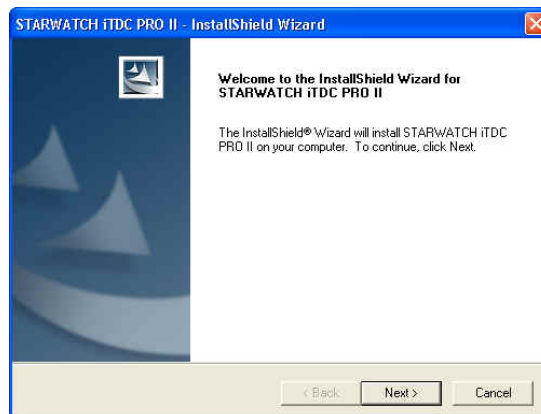
- 1) Choose STARWATCH iTDC PRO II Install files in STARWATCH iTDC PRO II CD.
 - + Run setup.exe of STARWATCH iTDC PRO II for Server installation.
 - + Run setup.exe of STARWATCH iTDC PRO II CL for Client installation.



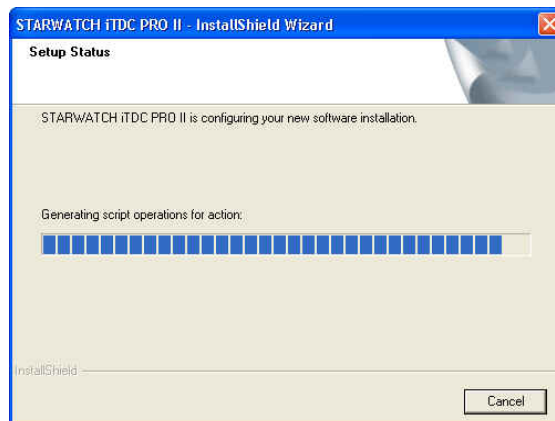
- 2) Its installation window is to be showed as below.



- 3) Click "Next " to start.



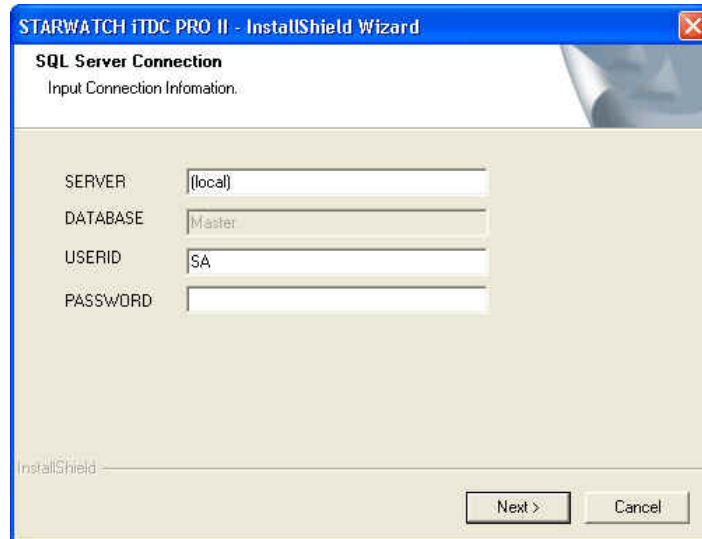
- 4) Installation will be processed as blew. It may take some time depending on its system environment. .



- 5) Data base server connection window shows as blow. (In case of server only)
In this session, it creates data base files connection to its data base.

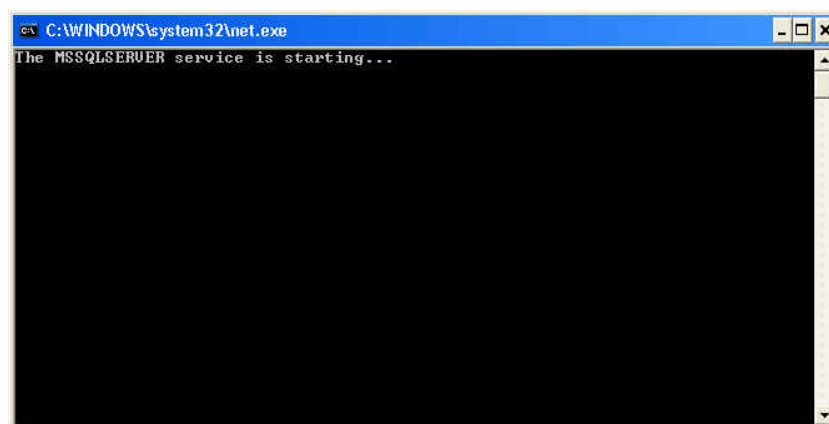
Prior to the data base file creation, SQL Server or MSDE must be installed.

In case of SQL server 2000, you may skip this data base file creation session and creates manually later referring data base setting part of this manual.

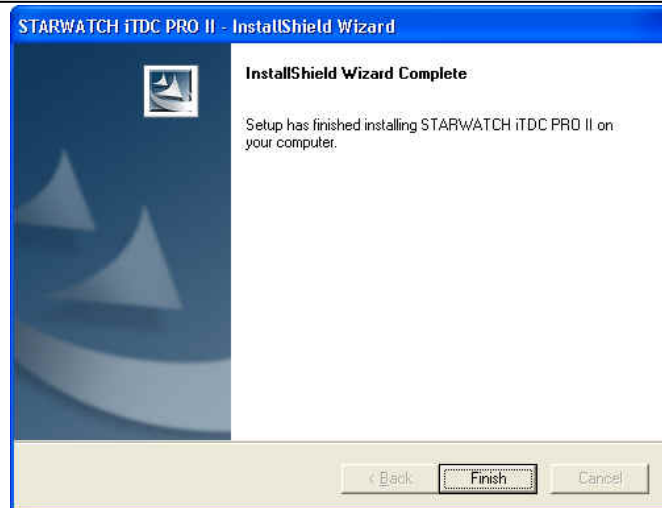


- . **SERVER** : Put the IP of PC installed Server. If the server is installed in Local PC, you may put **(local)** , **localhost**.
 - . **USERID** : Put user ID of SQL Server or MSDE. Initial ID is '**sa**'.
 - . **PASSWORD** : Put user password of SQL Server or MSDE. In case of MSDE, there is no initial user password.
- 6) Once it connects to data base, the installation program starts creation of data base files.

It may take time depending on its system environment.



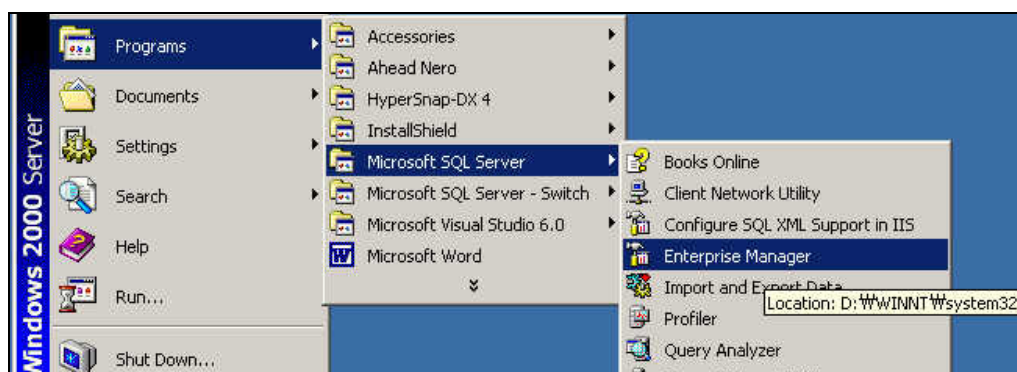
- 7) Finishing database creation, installation is to be completed.



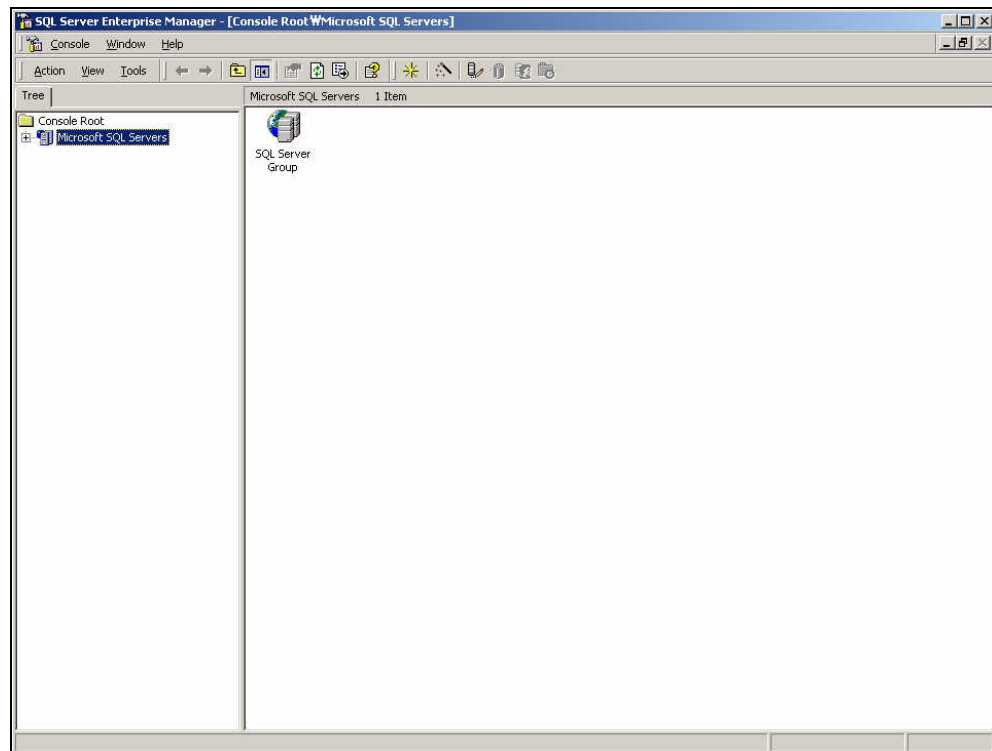
Database Definition (SQL SEVER) – Manual Setting

- + The followings are the instruction of database setup for Access Control System.
- + SQL Server must be installed prior to the following process.

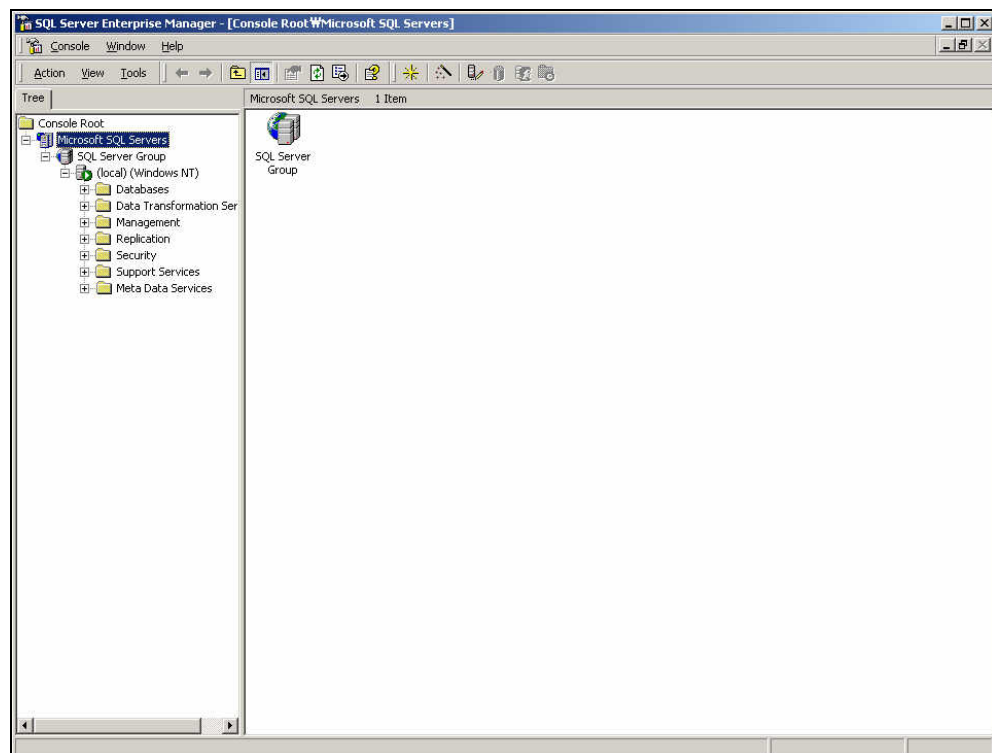
- 1) Open Enterprise Manager of SQL Server.
Location : START->Programs->Microsoft SQL Server->Enterprise Manager



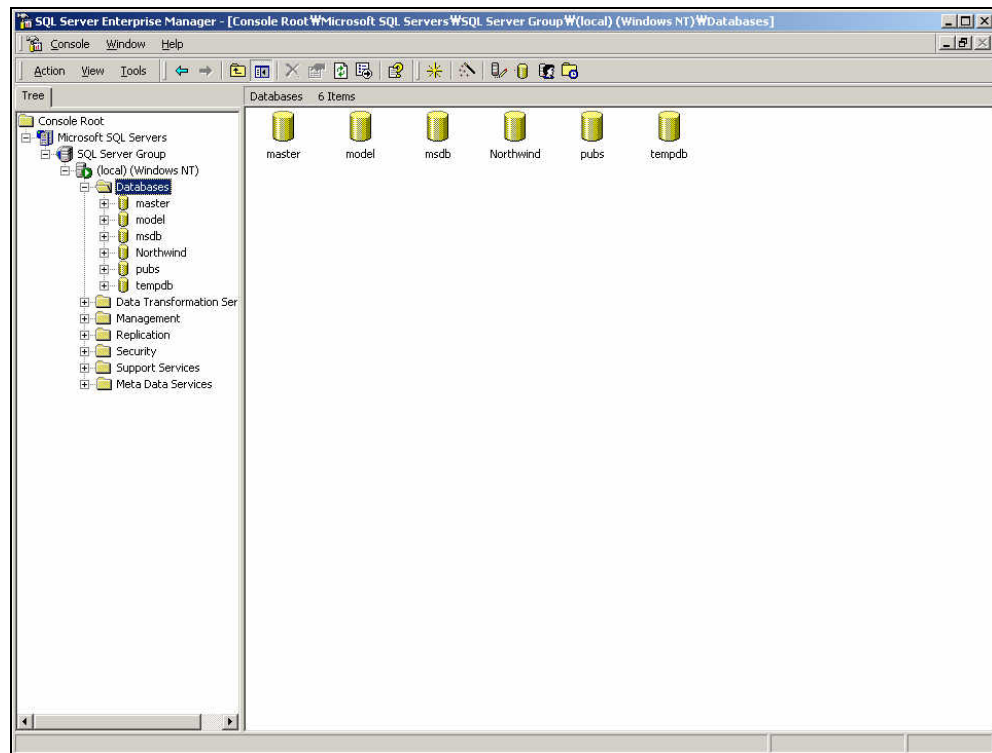
- 2) Enterprise Manager shows the following screen.



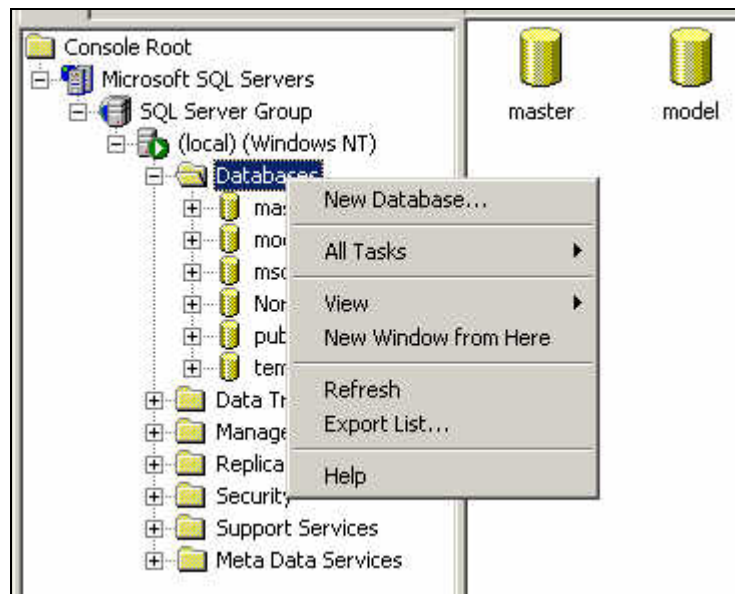
- 3) Click Microsoft SQL Servers and select SQL Server installed.



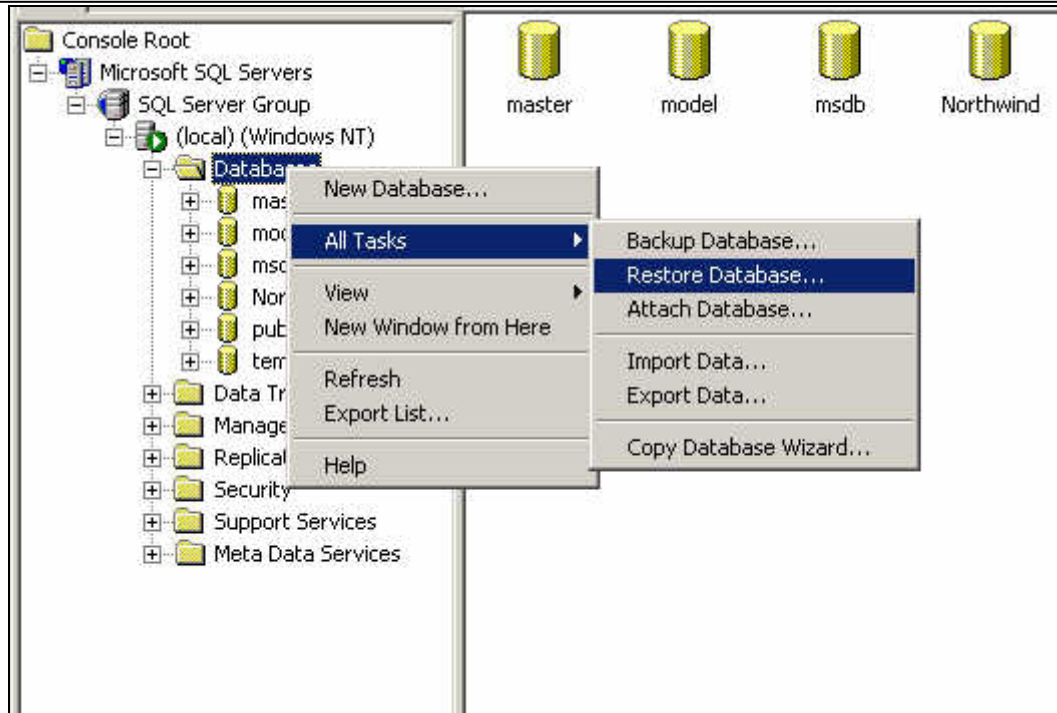
- 4) Click Databases then it shows basic data bases installed.
Here the database of STARWATCH ITDC PRO II is to be set.



5) From Databases, click right mouse key or click '**Action**', then it shows menu as below .

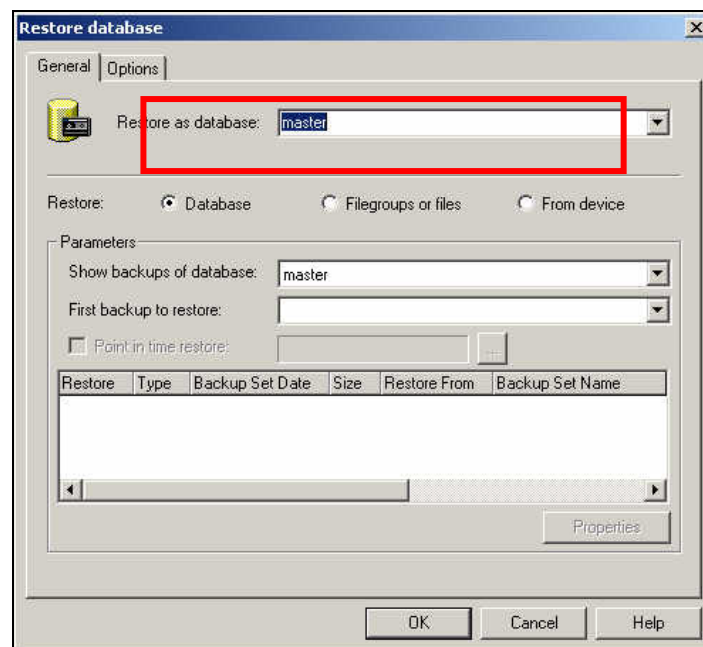


6) Choose '**All Tasks**' then '**Restore Database**' to open it.

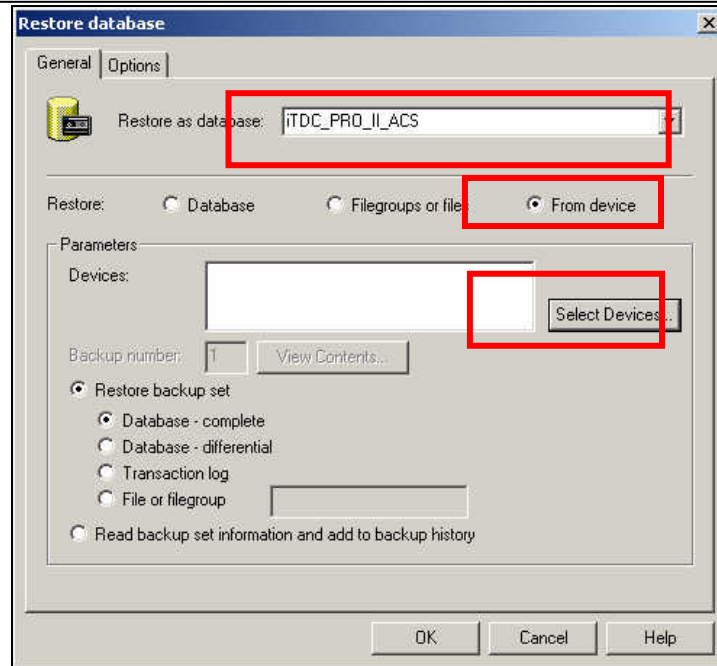


ITDC_PRO_II_ACS Database Setup

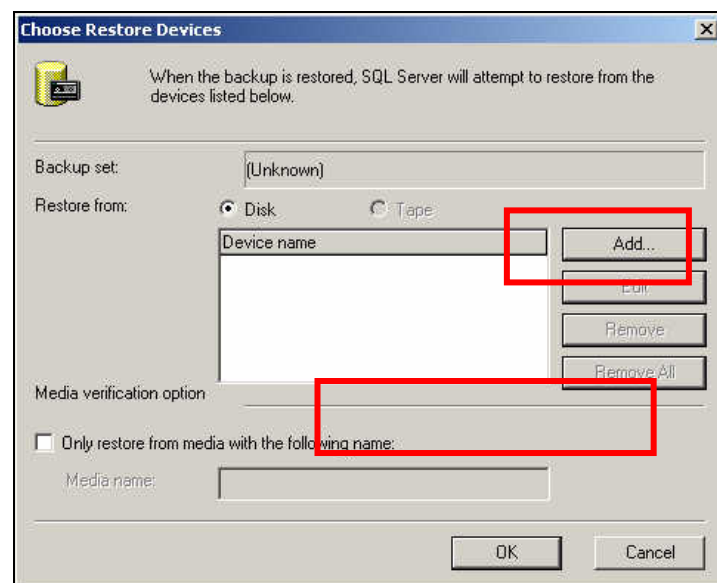
- 1) It shows the following screen when you open Restore Database.
'Restore as databases' is to be 'master'.



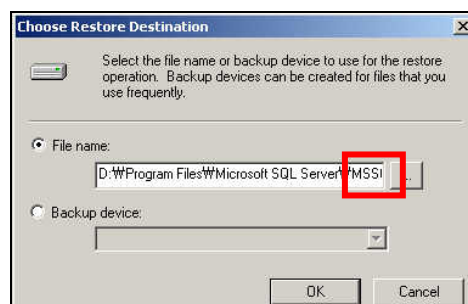
- 2) Delete 'master' in 'Restore as databases' delete 'master' And type in '**ITDC_PRO_II_ACS**' as below.
Select '**From Device**' in Restore. Click **Select Devices** button.



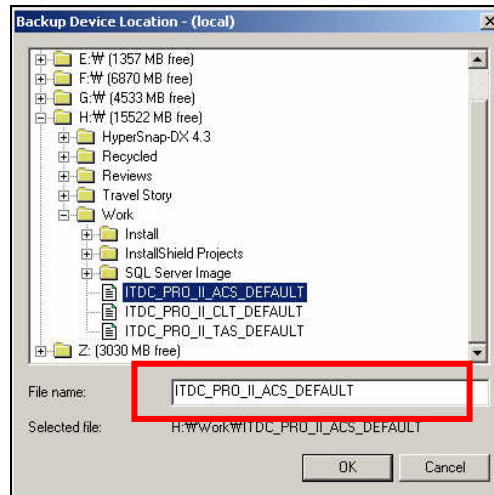
- 3) It shows the following screen.
Click **Add** button and find data base file of ITDC_PRO_II_ACS.



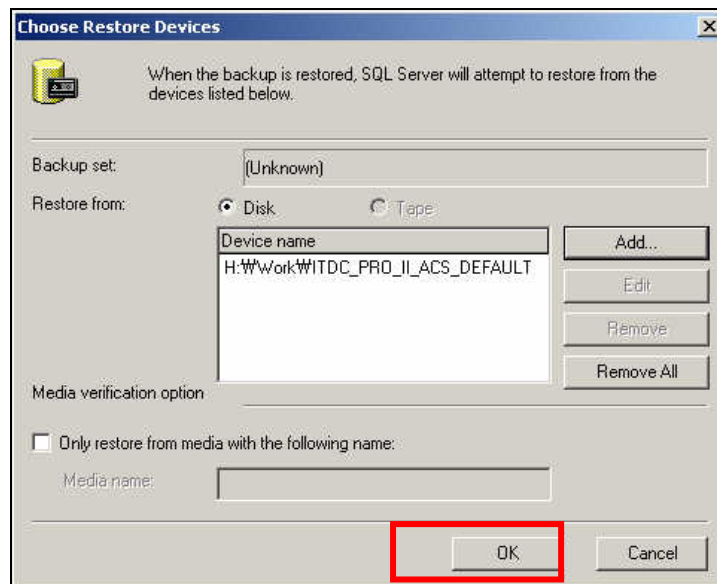
- 4) Clicking "Add" button brings the following window.
Click '...' button to find the file.



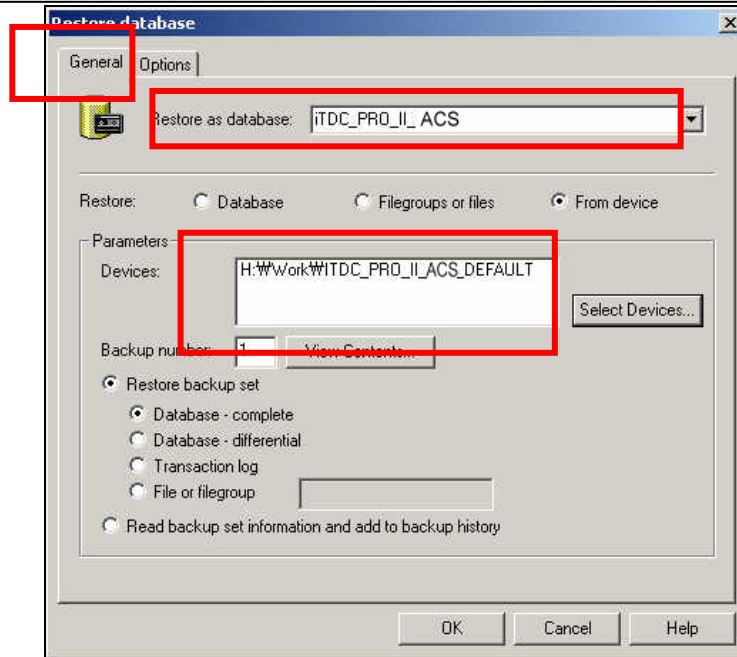
- 5) Find iTDC_PRO_II_ACS database file and click ok.
The file will be in the CD of the Starwatch iTDC Pro II distributed by IDTECK.



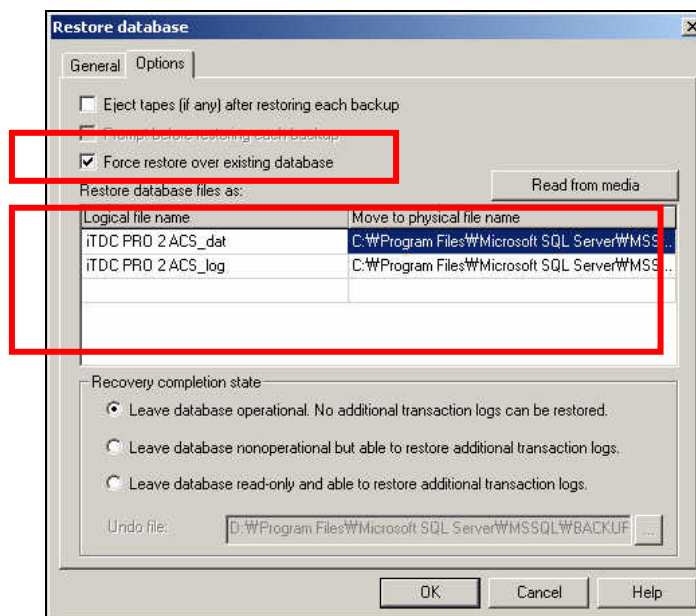
- 6) If select Database file, it will display the location of the file. Click OK.
(The location will be different from the one shown below.)



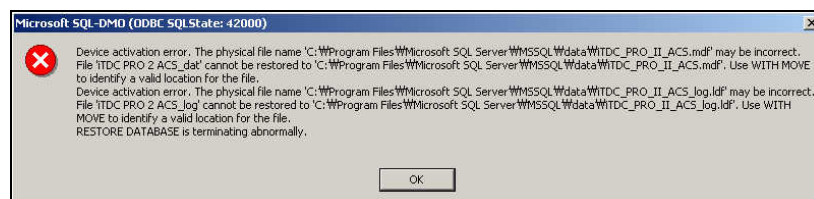
- 7) From the database info of the file, it will create its own iTDC Pro II ACS.
Click "Option"



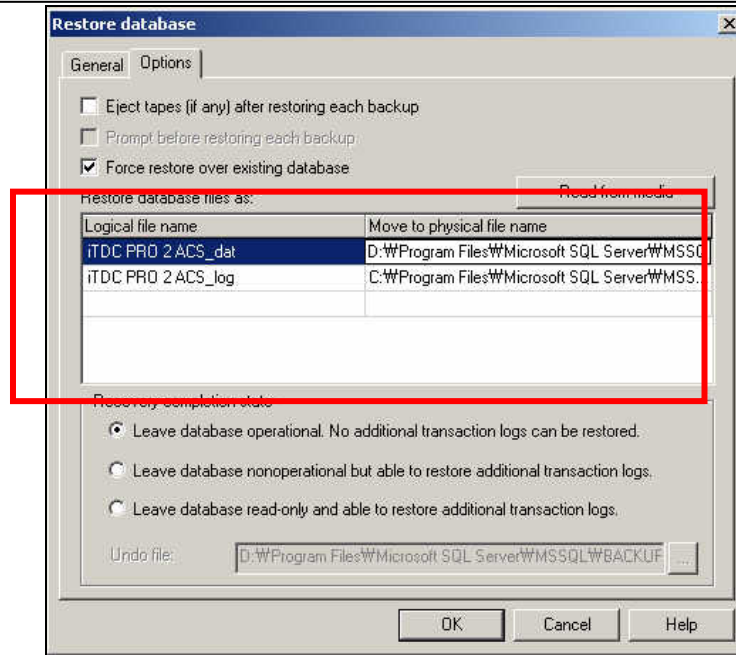
- 8) Select '**Force restore over existing database**'.
The location below is of database to be installed.



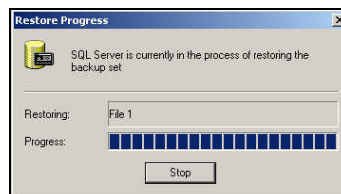
- 9) If it shows the following error message, change the location of file to be installed referring 10. If it does not, go to 11.



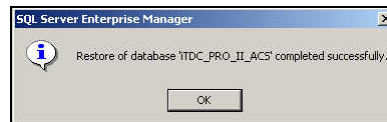
- 10) The error shown in 9, occurs the location of database installed is not proper.
In this case, set its location as the folder where SQL Server is installed.



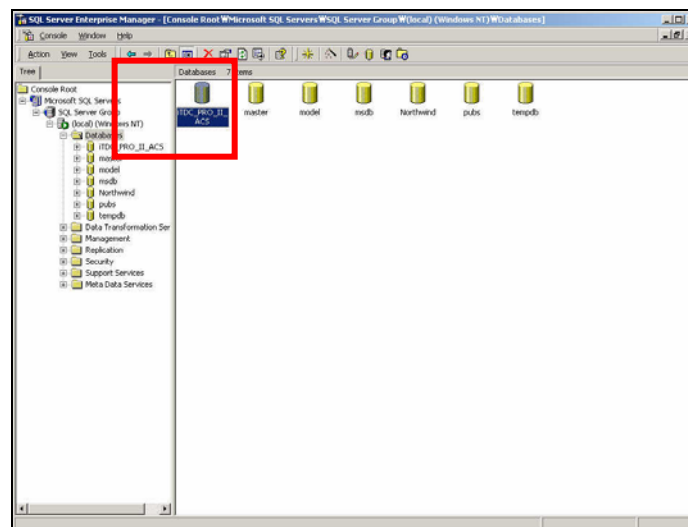
11) If finished the above process click OK button then it shows the following window.



12) Now, the database creation of ITDC_PRO_II_ACS is completed.



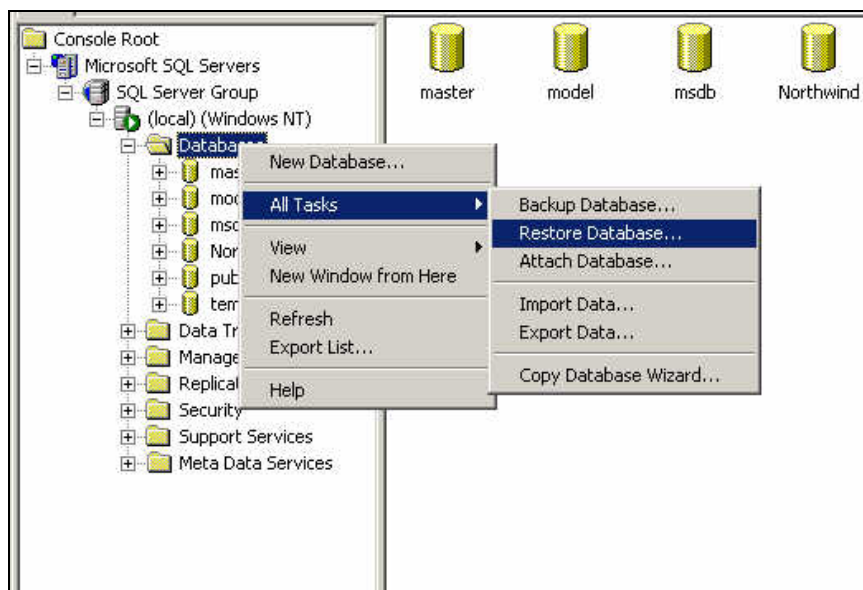
13) Check the database created in Enterprise Manager.



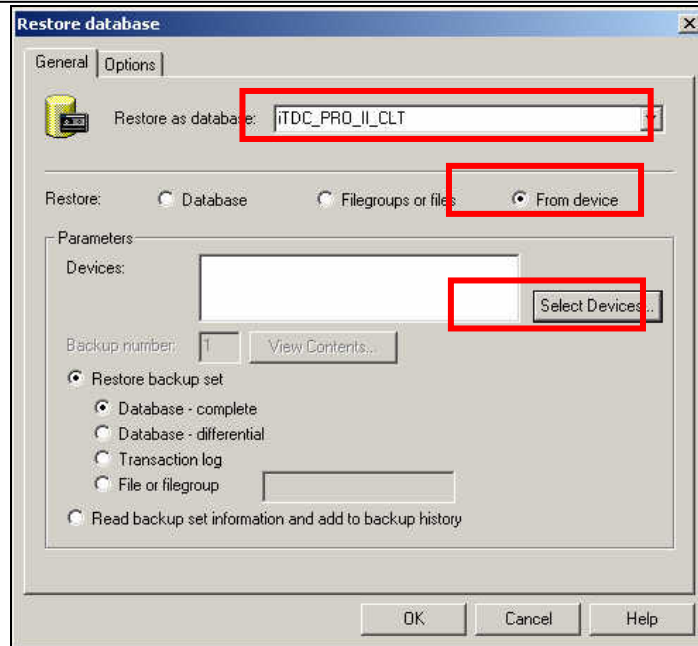
14. If the database creation process is completed properly, it shows access control data tables as blow.



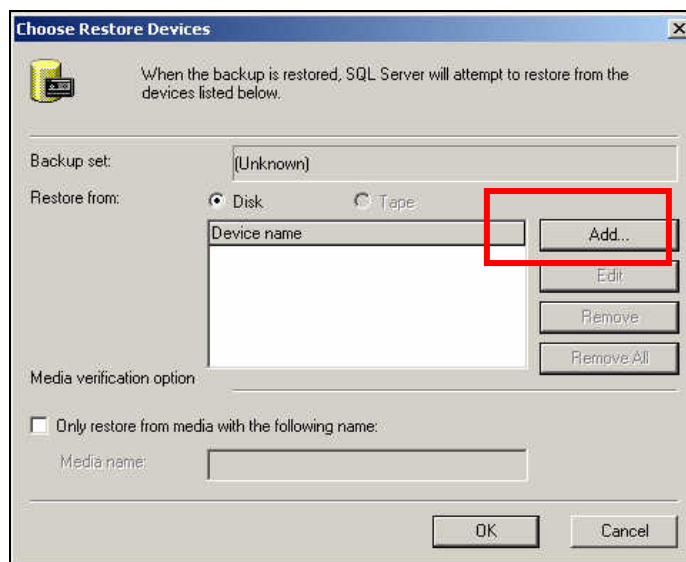
The structure of iTDC PRO II CLT database is similar with iTDC PRO II ACS.



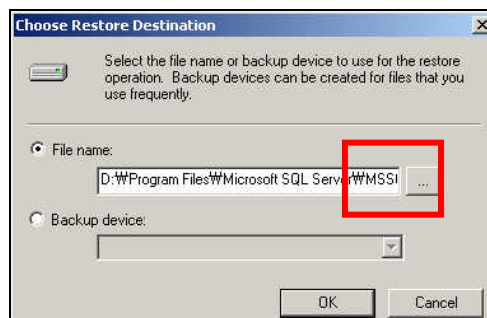
- 2) Delete 'master' from 'Restore as databases'. After delete, enter 'ITDC_PRO_II_CLT' as shown below.
Select 'From Device' from restore part. Click **Select Devices**.



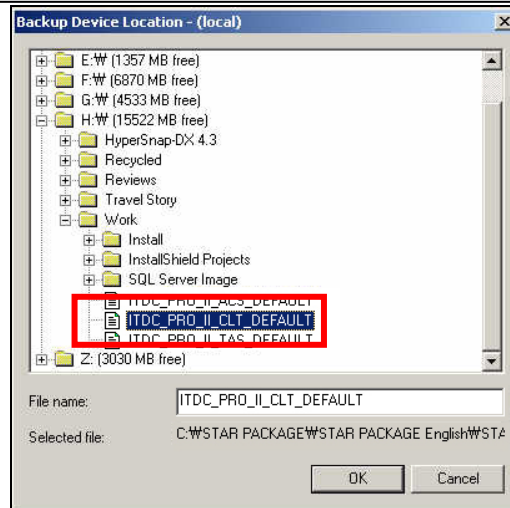
- 3) Below screen is shown after clicking 'Select Devices'.
click **Add** to find file which contains ITDC_PRO_II_CLT.



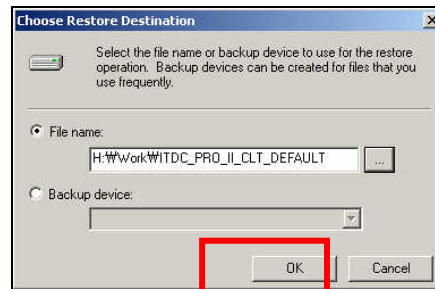
- 4) Click add to see screen below.
Click '...' button find file.



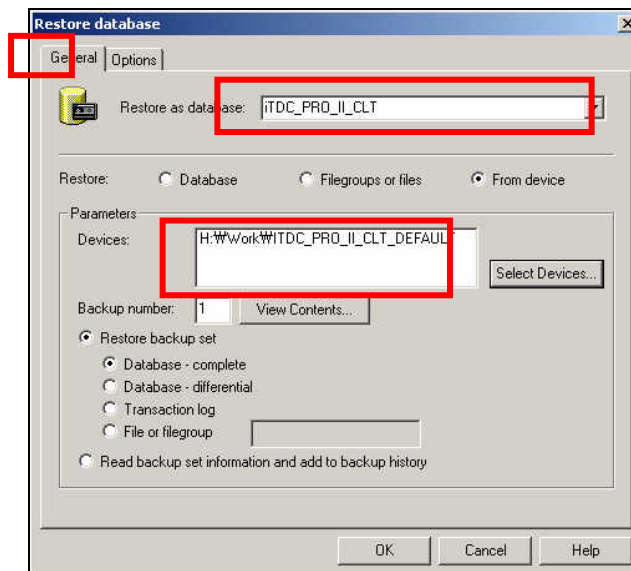
- 5) Find ITDC_PRO_II_CLT date base file.
Following files are included in CD and click ok after finding the file.



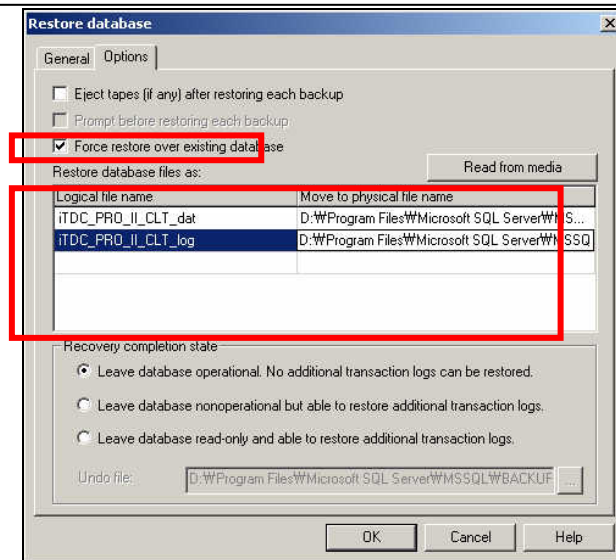
- 6) Location will be indicated after database file is selected. Click OK.
Real location may be different with shown below.



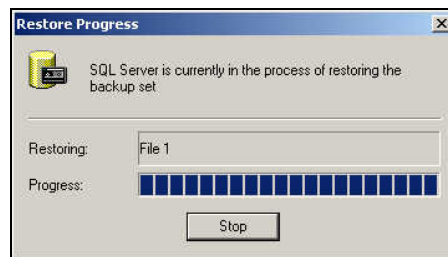
- 7) User can create database by importing file at **ITDC_PRO_II_CLT**. Select Option



- 8) Select '**Force restore over existing database**'.
The location below shows where database is installed.



9) Click OK and the picture below is shown.

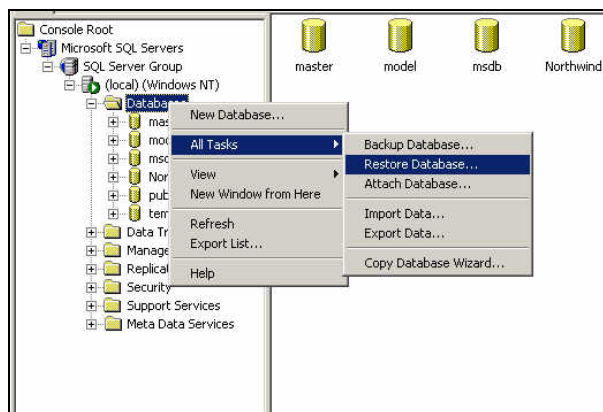


10) Database for ITDC_PRO_II_CLT is created.

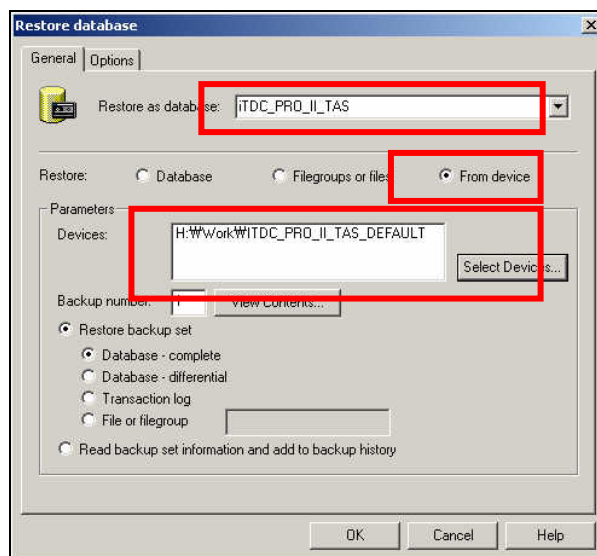
iTDC_PRO_II_TAS Database Setup

The structure of iTDC_PRO_II_TAS database is similar with iTDC_PRO_II_ACS

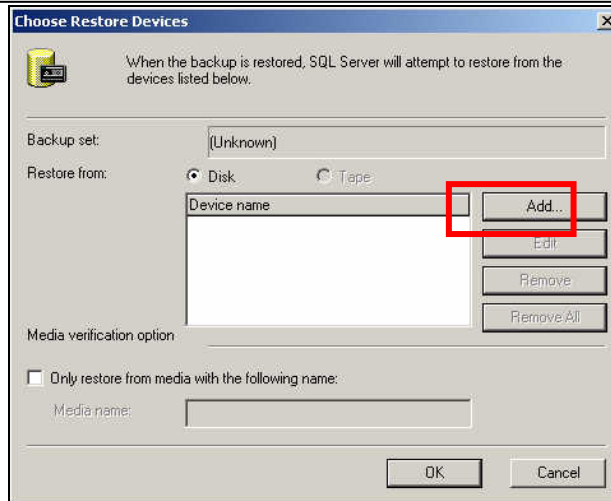
- 1) Select '**All Tasks**' from menu and click '**Restore Database**'.



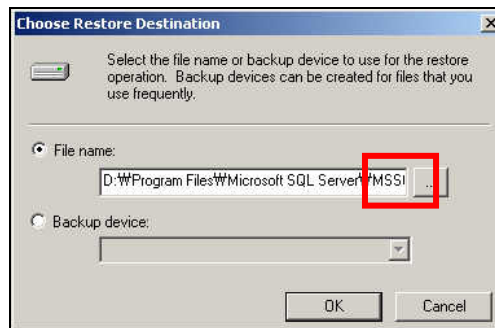
- 2) Delete 'master' from '**Restore as databases**'
After delete, enter '**iTDC_PRO_II_TAS**' as shown below.
Select '**From Device**' from restore part. Click **Select Devices**



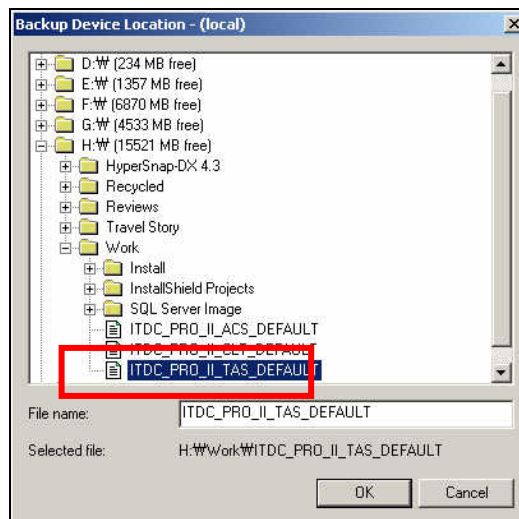
- 3) Below screen is shown after clicking 'Select Devices'.
click **Add** to find file which contains iTDC_PRO_II_TAS.



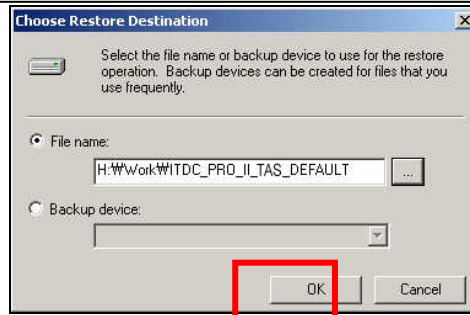
- 4) Click add to see screen below. Click '...' button find file.



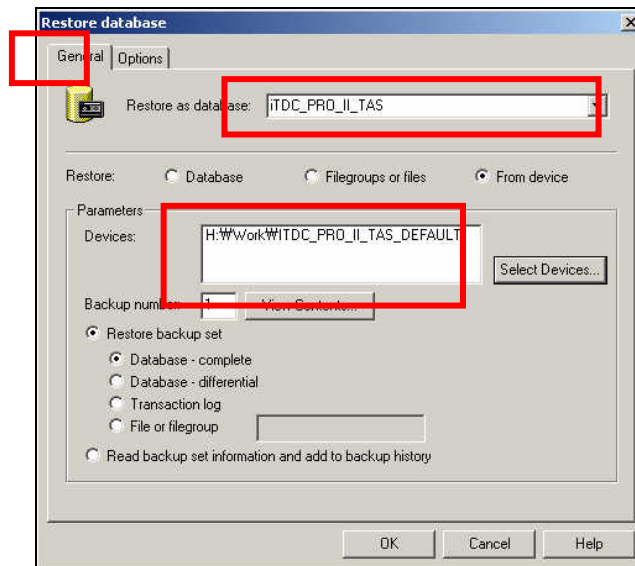
- 5) Find ITDC_PRO_II_TAS date base file.
Following files are included in CD and click ok after finding the file.



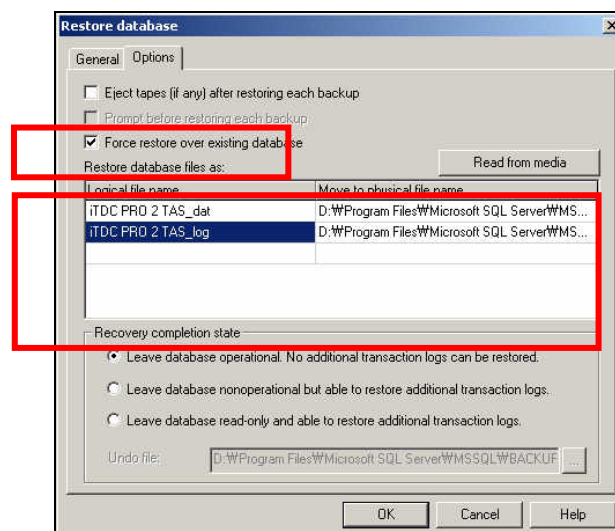
- 6) Location will be indicated after database file is selected. Click OK.
Real location may be different with shown below.



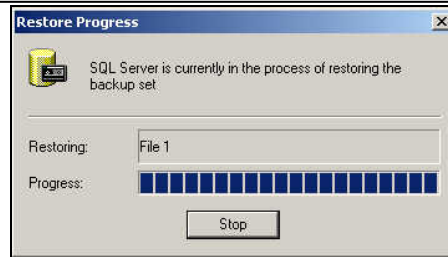
- 7) User can create database by importing file at **ITDC_PRO_II_TAS**. Select Option



- 8) Select **'Force restore over existing database'**.
Following location shows where database is installed.

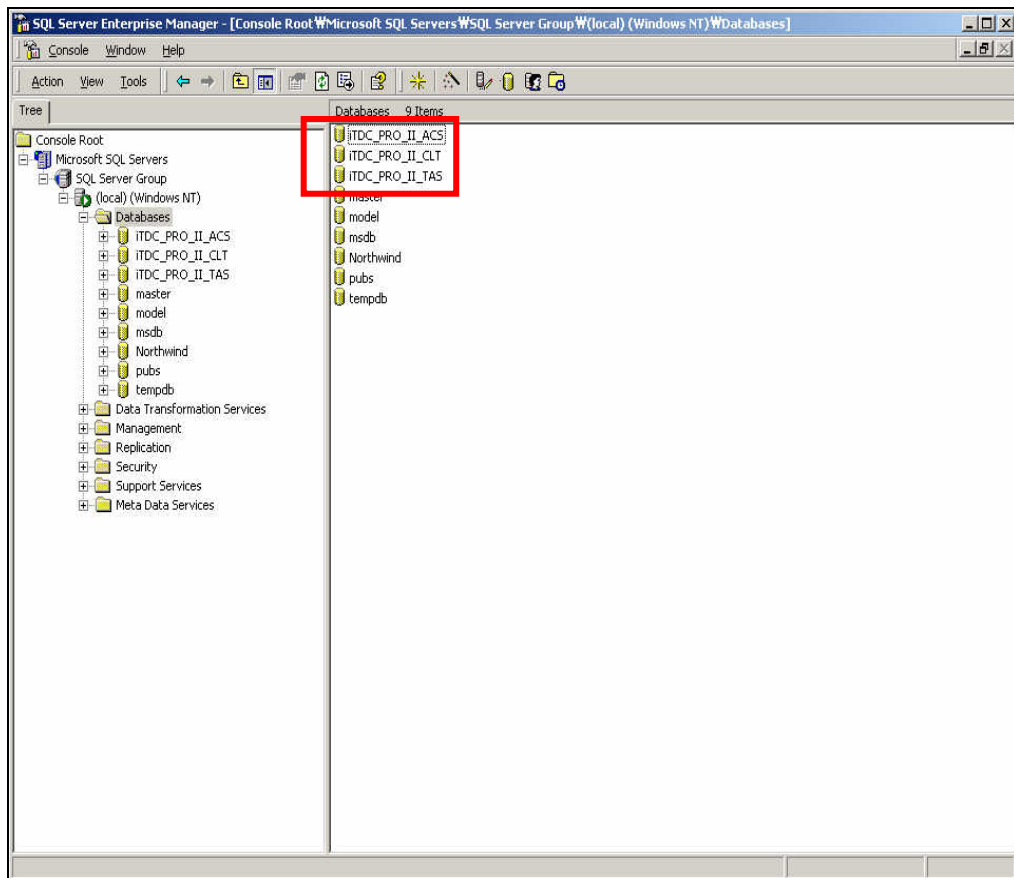


- 9) Click OK to finish.



10) iTDC_PRO_II_TAS database is created.

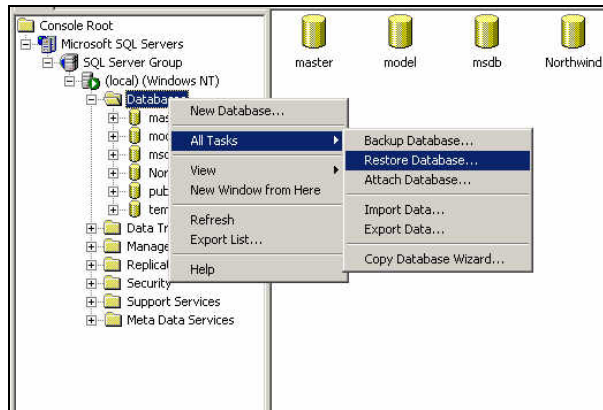
All setting for database is completed. .
Check from Enterprise Manager as shown below.



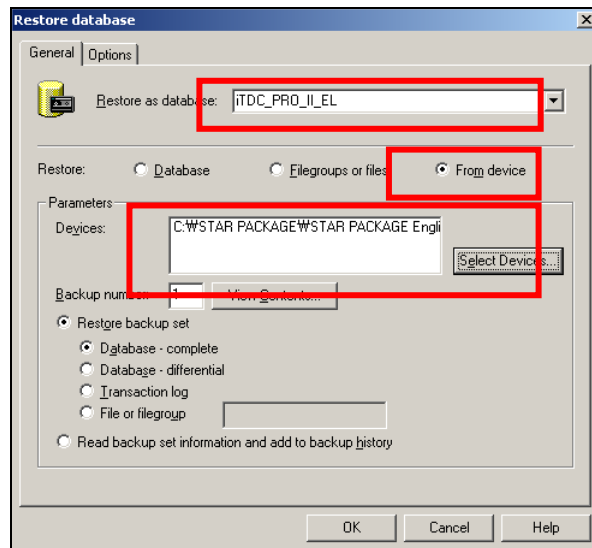
iTDC_PRO_II_EL Database Setup

The structure of iTDC_PRO_II_EL database is similar with iTDC_PRO_II_ACS

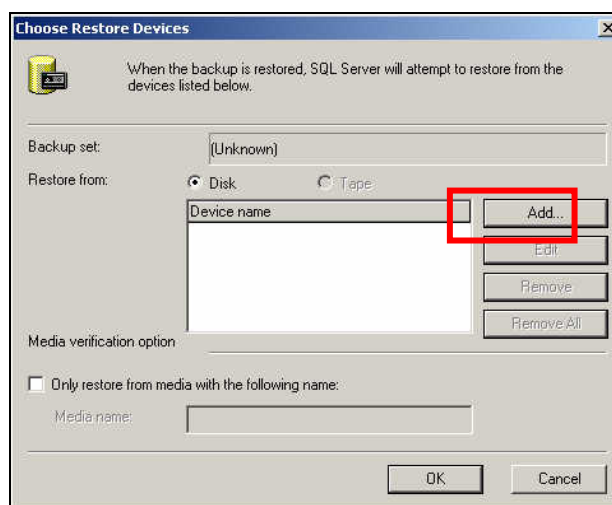
11) Select '**All Tasks**' from menu and click '**Restore Database**'.



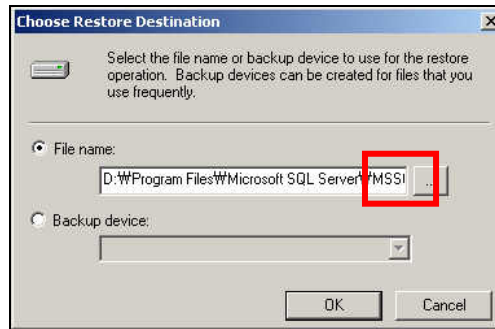
- 12) Delete 'master' from 'Restore as databases' Restore as databases'
After delete, enter 'ITDC_PRO_II_EL' as shown below.
Select 'From Device' from restore part. Click **Select Devices**



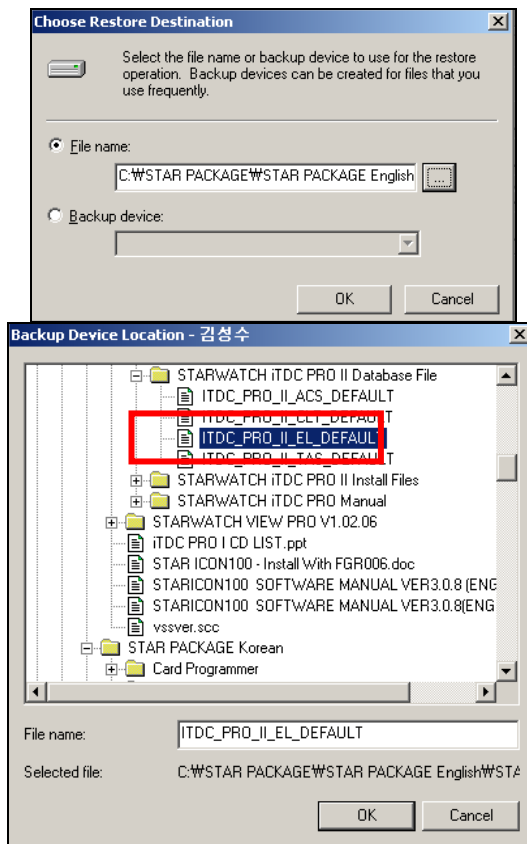
- 13) Below screen is shown after clicking 'Select Devices'.
click **Add** to find file which contains ITDC_PRO_II_EL.



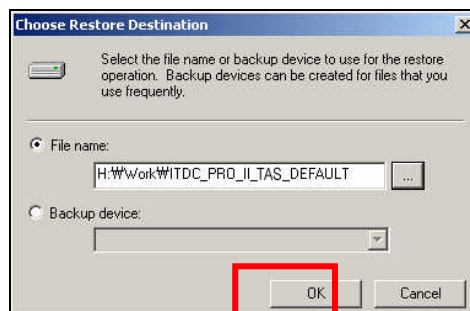
- 14) Click add to see screen below. Click '...' button find file.



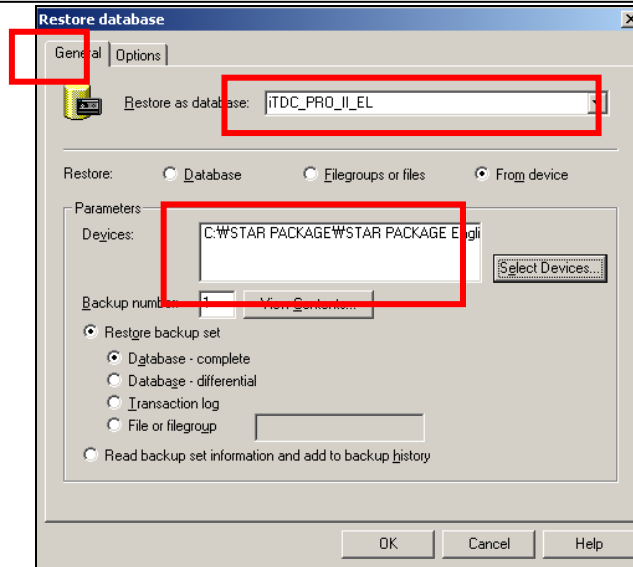
- 15) Find iTDC_PRO_II_EL date base file.
Following files are included in CD and click ok after finding the file.



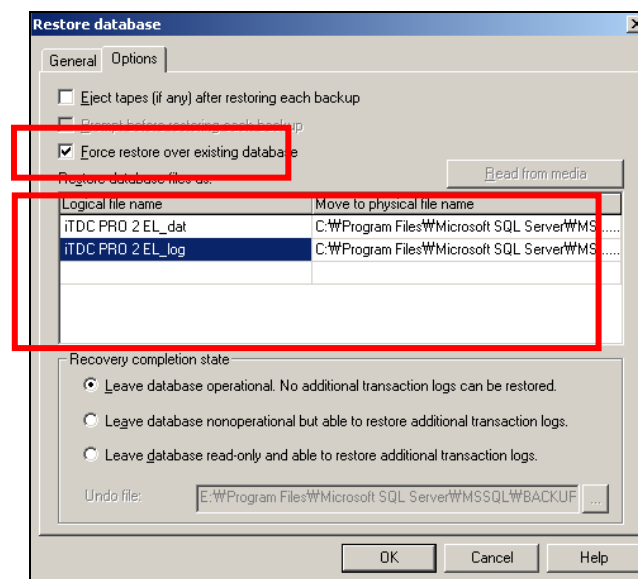
- 16) Location will be indicated after database file is selected. Click OK.
Real location may be different with shown below.



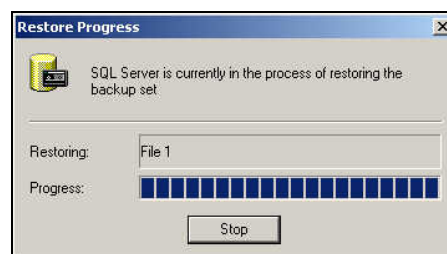
- 17) User can create database by importing file at iTDC_PRO_II_EL. Select Option



- 18) Select '**Force restore over existing database**'.
Following location shows where database is installed.



- 19) Click OK to finish.



- 20) ITDC_PRO_II_EL database is created.

All setting for database is completed. .
Check from Enterprise Manager as shown below.

Database Definition (MSDE) – Manual Setting

MSDE Manager (Vale Software) Briefing

MSDE installation could cause difficulty in database setup and operation because there is no manager tool. In this case you can purchase or download manager tool by internet. In here we will introduce MSDE Manager program briefly which is developed and sold in Vale Software.

MSDE Manager Program makes it easier to operate MSDE. Also below functions are available by using this program.

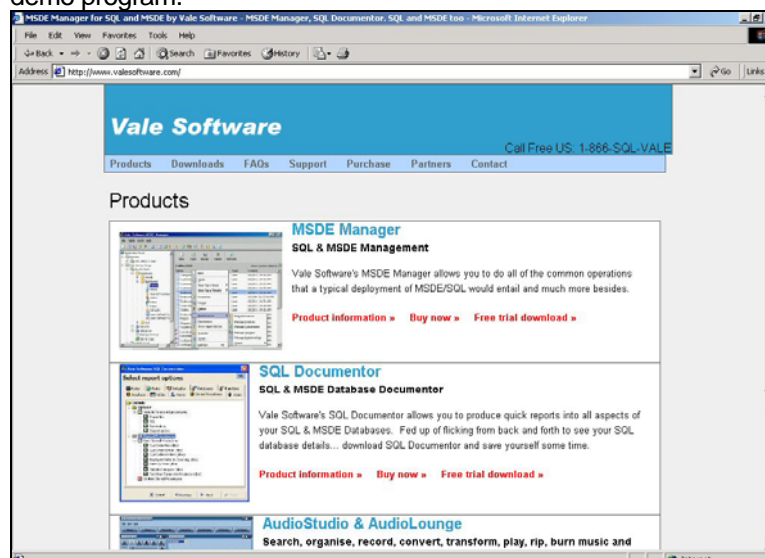
- Add/Edit/Delete databases / tables / views / roles / rules / stored procedure
- Complete Table designer to add/edit/delete/cut/copy/paste columns
- Set primary keys / triggers / indexes / constraints
- Change server properties (e.g. authentication mode etc.)
- Change column properties.
- View/Edit/Export data in the data management section.
- Execute DTS packages.
- Create and Schedule jobs.
- Backup & Restore Databases.
- Attach, Detach and Shrink databases.
- Complete Full TSQL module with quick select function list/color coded TSQL.
- Relationships management screen for foreign keys etc.
- Transfer database wizard to transfer form server to server.
- Much more....

How to download MSDE Manager (Vale Software)

You can download demo program in Vale Software homepage. Home page address is like below.

<http://www.valesoftware.com/products-msde-manager.php>

And by clicking **Free trial download** item in MSDE Manager item, it is possible to download demo program.

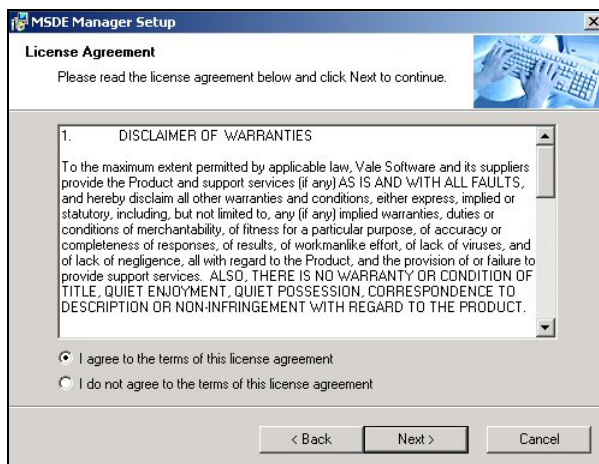


How to install MSDE Manager (Vale Software)

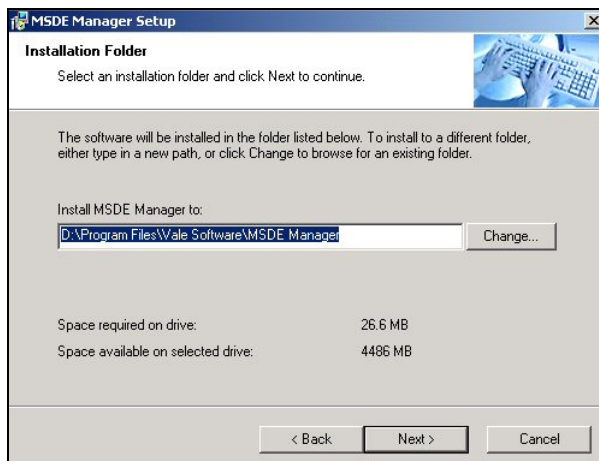
- 1) Please double click msdmanager.exe.



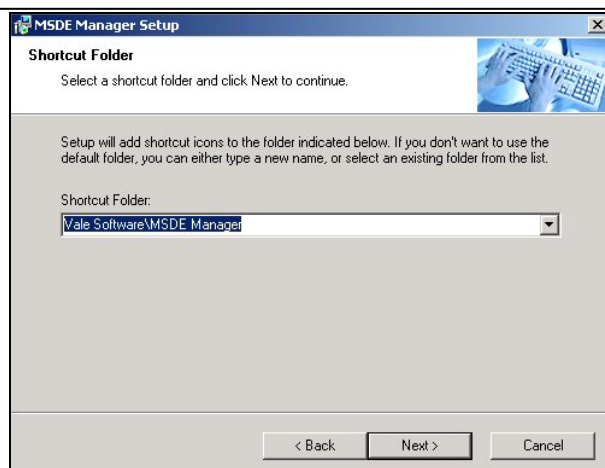
- 2) Please agree to the license and click Next button.



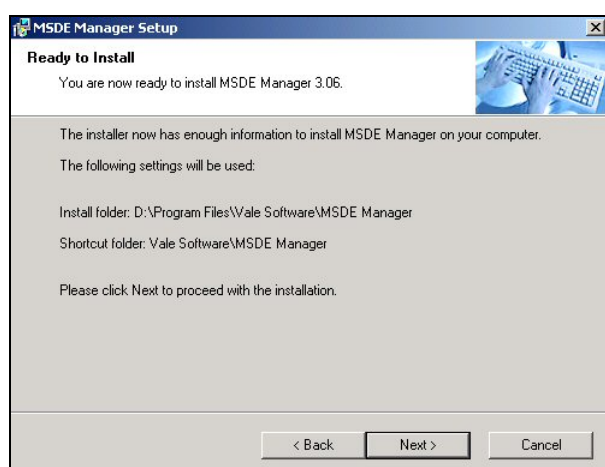
- 3) Please select setup path and click Next button. We recommend you to install to the default setup path.



- 4) Please set shortcut folder and click Next button. We recommend the default shortcut folder.



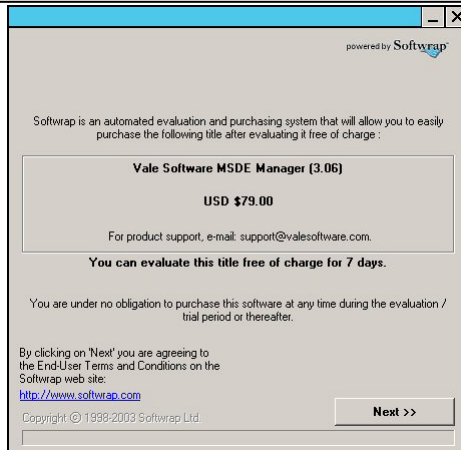
- 5) By clicking Next button, Installation process begins.



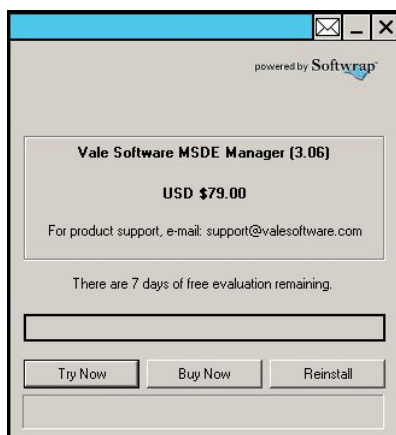
- 6) After all setup process is completed, please click finish button to finish setup process.



- 7) After setup, license information like below is displayed. Please click Next button.



8) Please click Try Now button to start program.

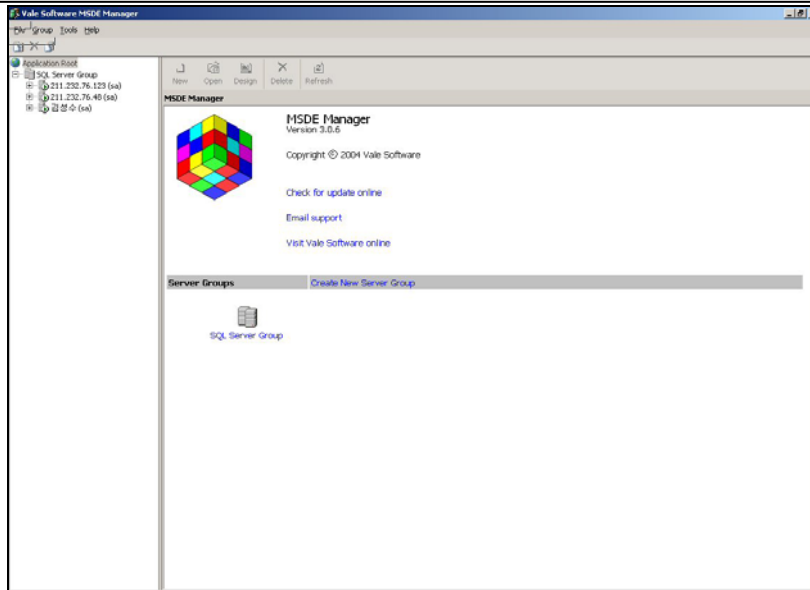


MSDE Manager (Vale Software) License Information.

This software can be downloaded only by Internet, and if you want to purchase full license you need to pay \$79(USD). But for 7 days after first installing program, it is possible to use all functions with no restriction. You can purchase program after using program free.

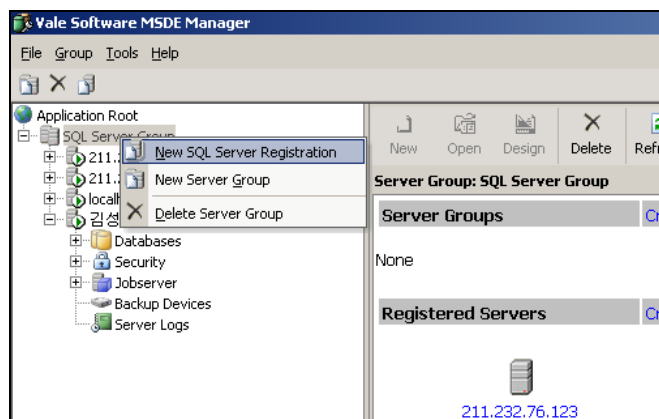
SQL Server Registration

Program main window is composed like below. Connection available database servers are displayed in the left side of screen.



Please register like below when there is no other connection available database server.

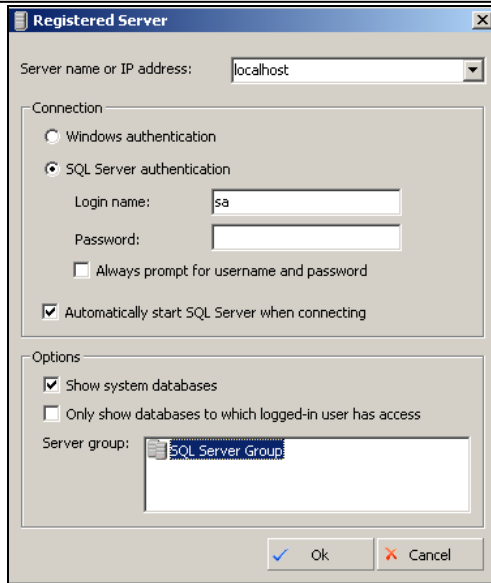
- 1) Please click right mouse button in SQL Server Group in the left side of screen and select New SQL Server Registration.



- 2) Input installed computer IP in Server name or IP address, or Input localhost in MSDE Manager-installed-computer if MSDE is installed.
Input sa in Login name. Input blank or password in Password and password should be the one which was designated in installing MSDE.

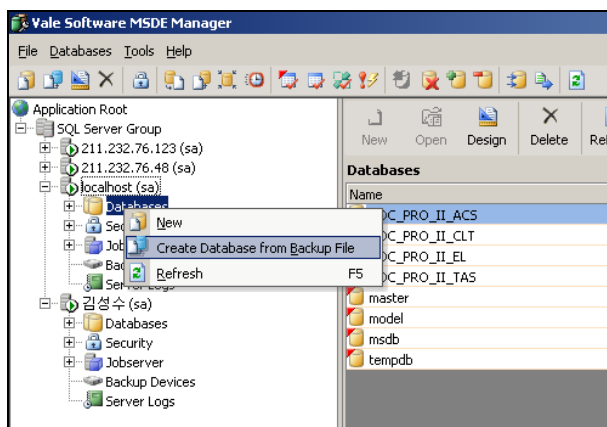
Please select Server group in SQL Server Group.

After finishing all above process, click OK button.

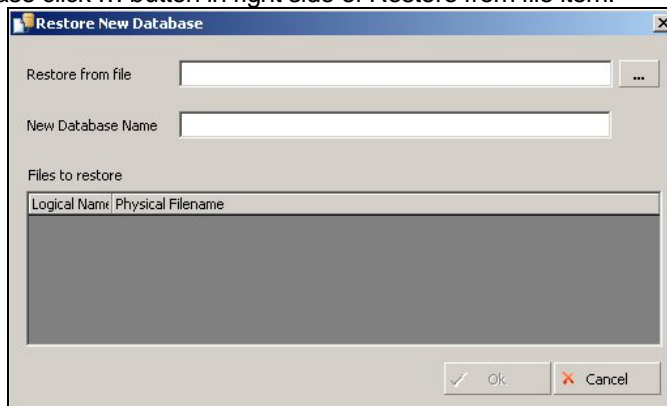


Create Database from Backup File

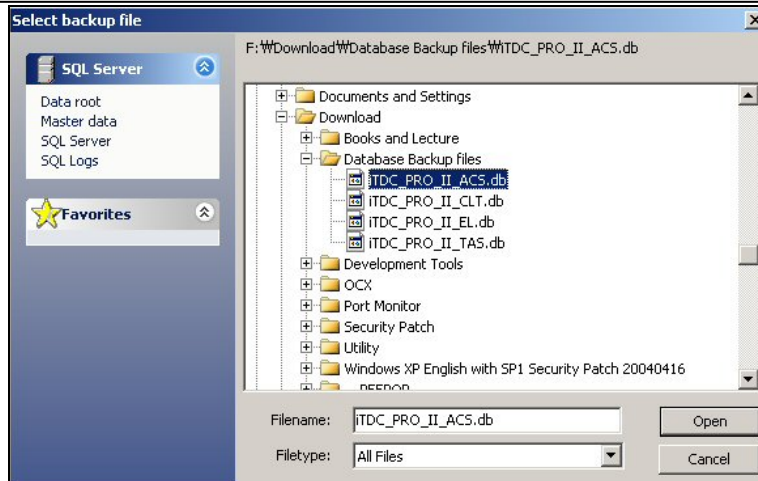
- 1) After selecting registered server and click right mouse button and select Create Database from Backup File.



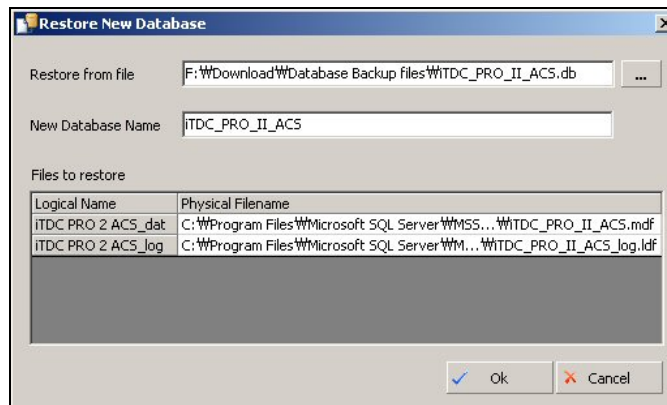
- 2) Please click ... button in right side of Restore from file item.



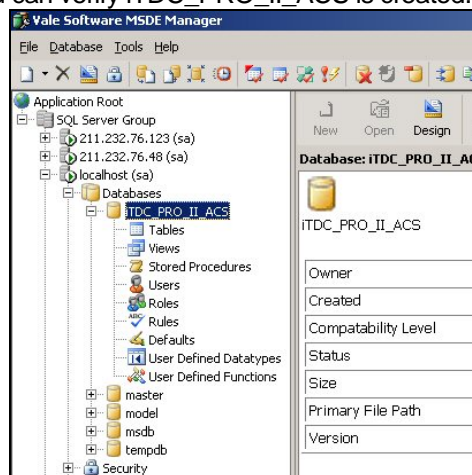
- 3) Alter below Filetype item to All Files. Please select the path database file is saved which is in Program setup CD our company has provided.
Please select ITDC_PRO_II_ACS.db in database files and click Open button.



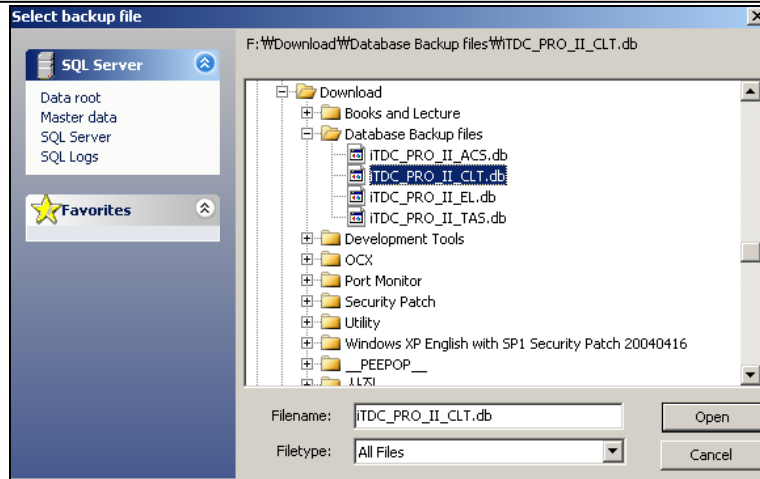
- 4) Selected database file information is displayed like below. Please click OK button and make database.



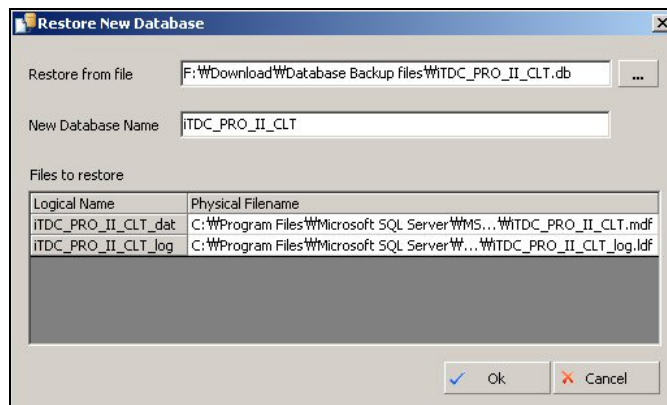
- 5) It shows database setup creation.
- 6) You can verify ITDC_PRO_II_ACS is created.



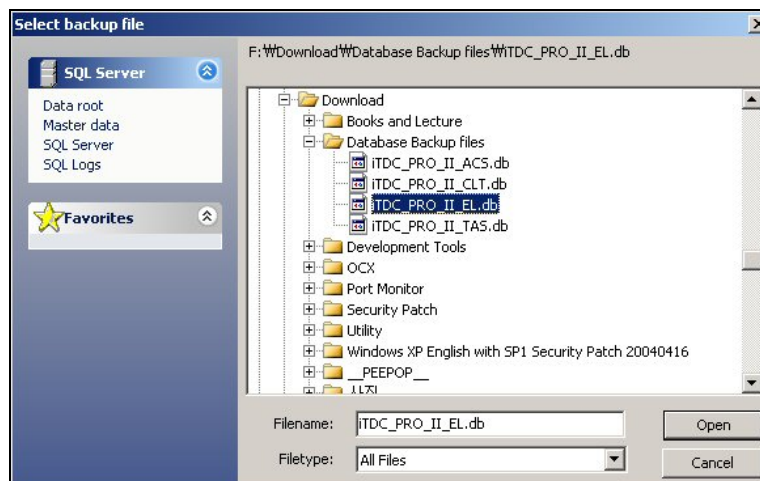
- 7) Same as above procedure, please create other databases. Please select ITDC_PRO_II_CLT.db. Please click Open button.
- 8)



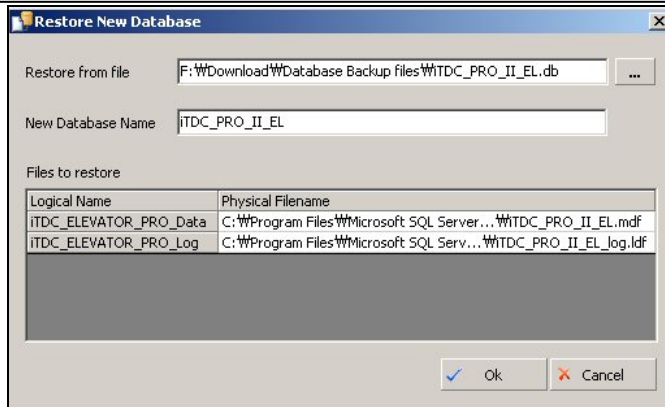
9) Please click Ok button and make a new database.



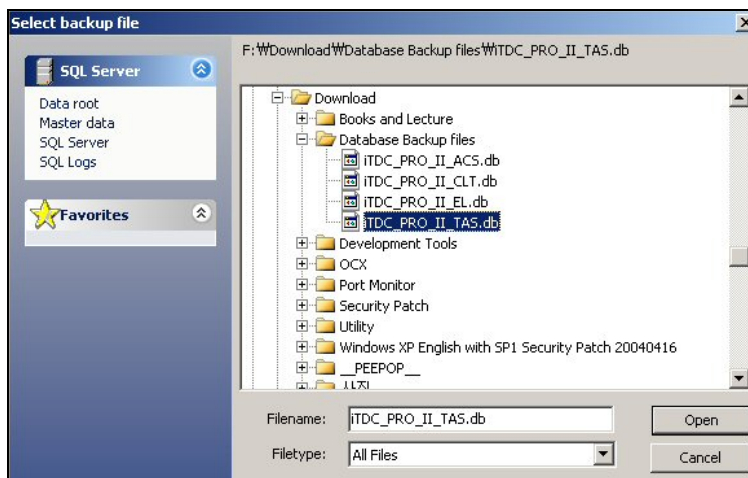
10) Please select ITDC_PRO_II_EL.db. Please click Open button.



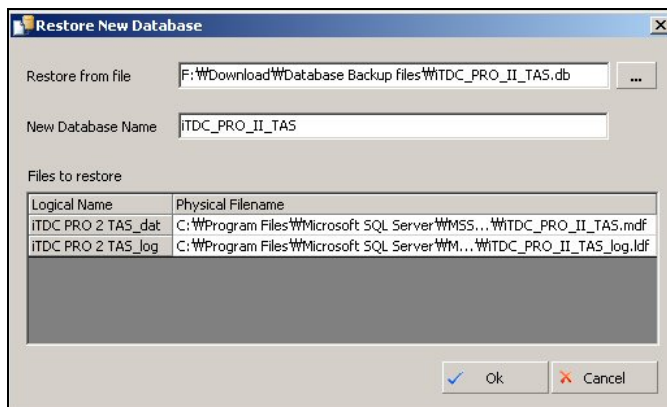
11) Please click Ok button and make a new database.



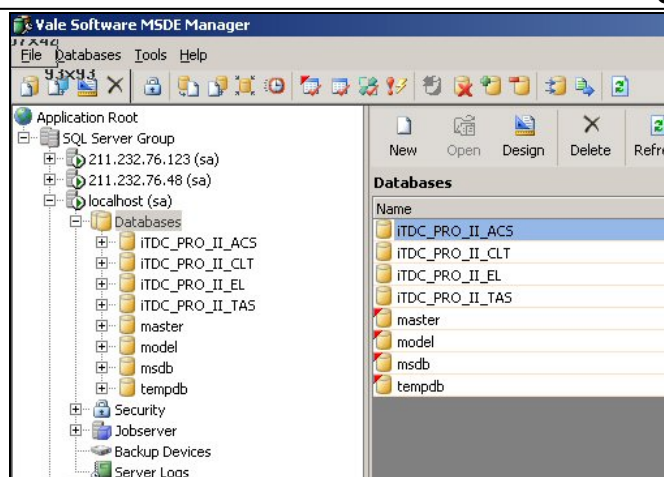
12) Please select ITDC_PRO_II_TAS.db. Click Open button.



13) Please click Ok button and make a new database.



14) If all database creation are completed, you can verify 4 database in the left side of screen.



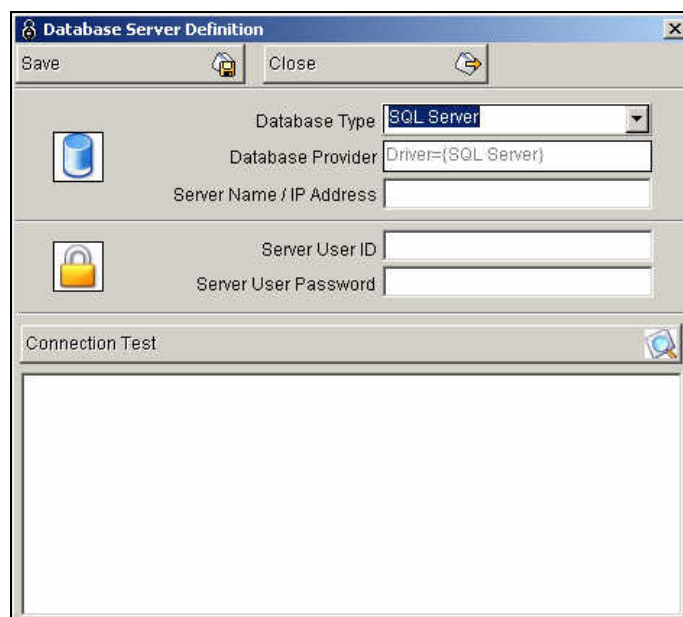
STARWATCH iTDC PRO II Database Definition

This The setting for database connection must be set from STARWATCH iTDC PRO II first.

To complete this step, SQL Server must be installed and Database installation must be completed.

STARWATCH iTDC PRO II Server

- 1) Database server definition is showed when STARWATCH iTDC PRO II is run at first time.
If database is connected, Log In screen will be shown.

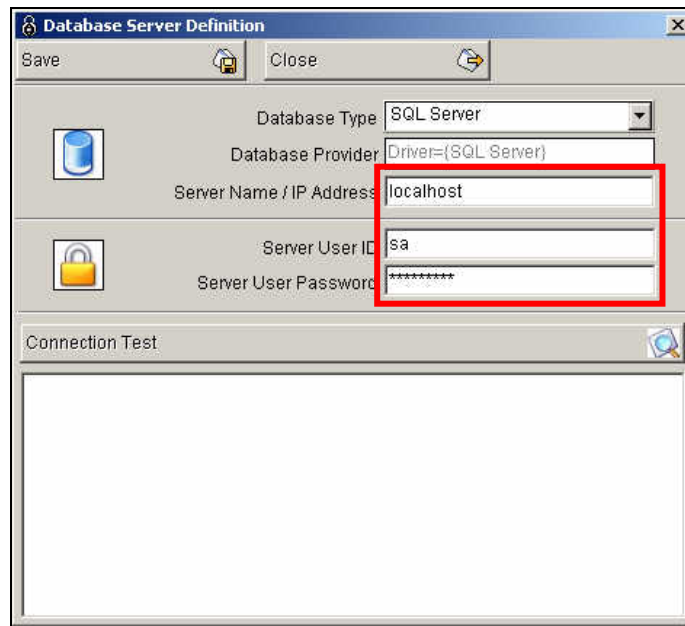


- 2) Enter server name or IP address on **Server Name/IP Address** .

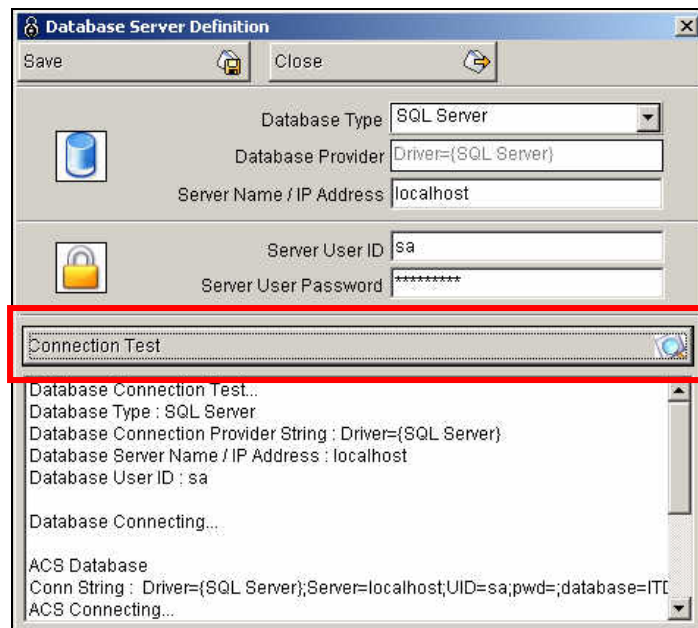
If STARWATCH iTDC PRO II and database is installed at same location, '**localhost**' can be entered instead of IP address

Enter User ID on **Server User I**. Enter '**sa**' if you followed user manual.

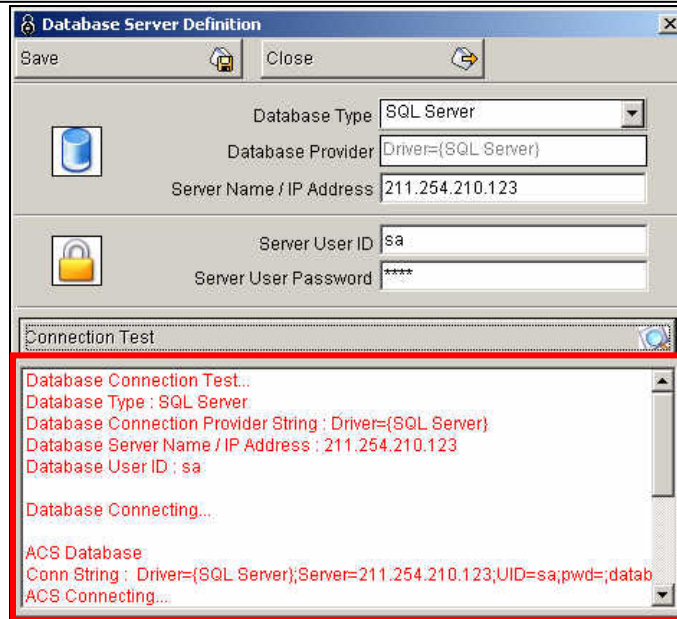
Enter password on **Server User Password**. Enter '**starwatch**' if you followed user manual.



- 3) Click Connection Test for test.
Following screen will be shown if connection test is completed.



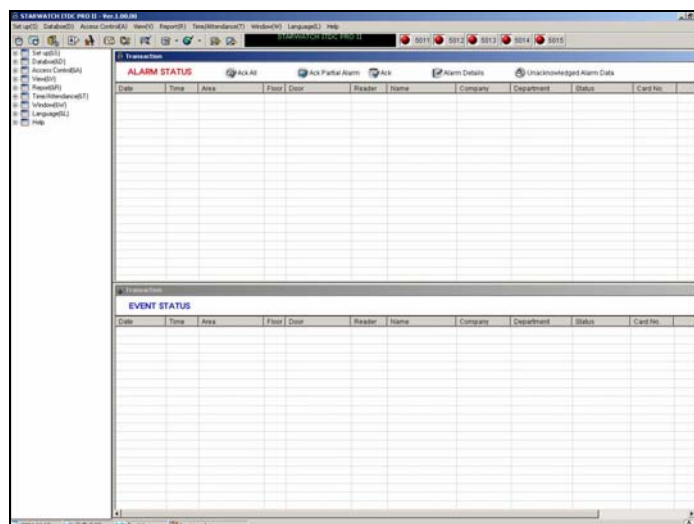
Following screen will be shown if connection test is failed. .



- 4) Save setting value and restart to see normal log on screen.
Default ID '**admin**' with no password. .



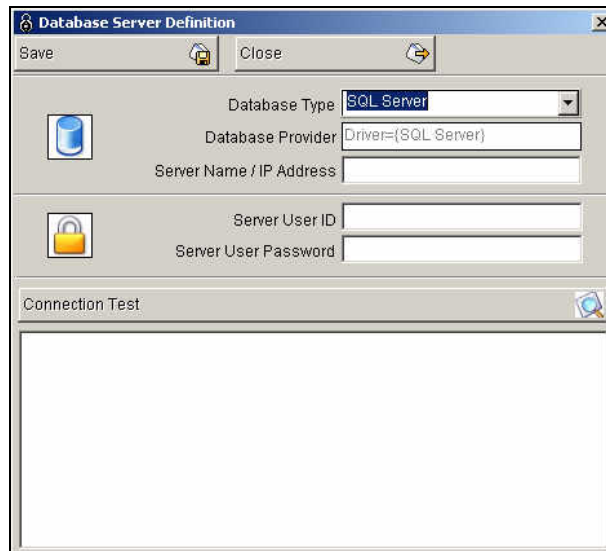
- 5) Following shows main screen.



STARWATCH ITDC PRO II Client

It is same with STARWATCH ITDC PRO II Server setting.

- 1) Database server definition is showed when STARWATCH ITDC PRO II Client is run at first time.
If database is connected, Log In screen will be shown.

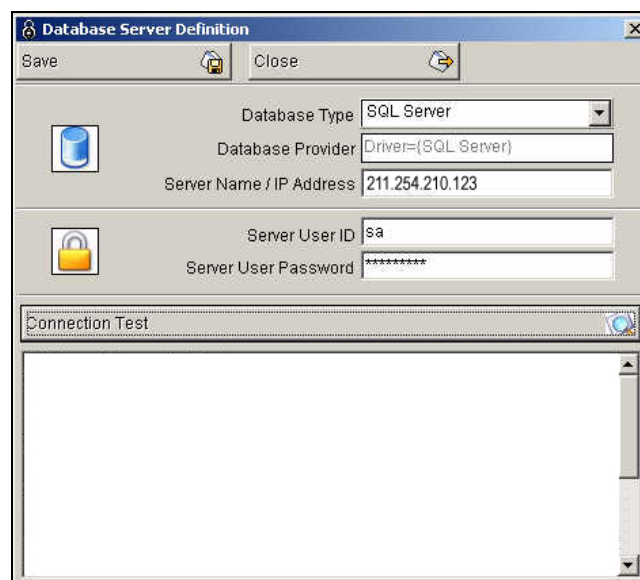


- 2) Enter server name or IP address on **Server Name/IP Address**.

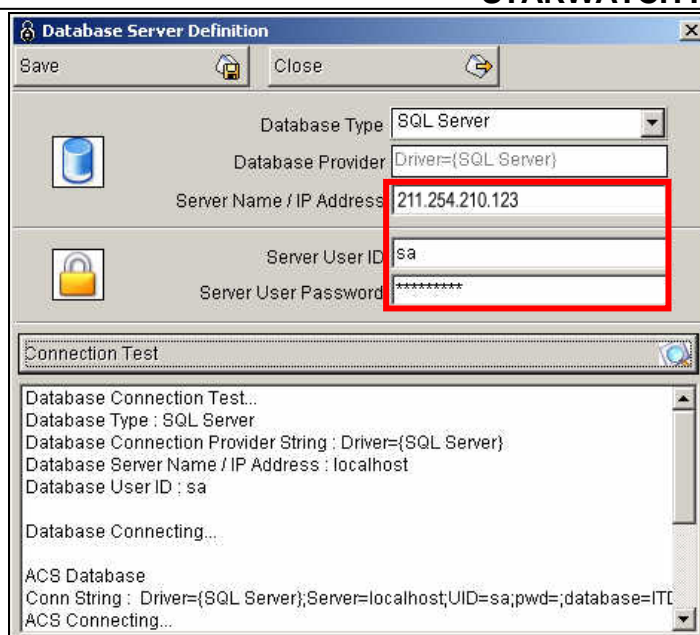
If STARWATCH ITDC PRO II and database is installed at same location, '**localhost**' can be entered instead of IP address

Enter User ID on **Server User I**. Enter '**sa**' if you followed user manual.

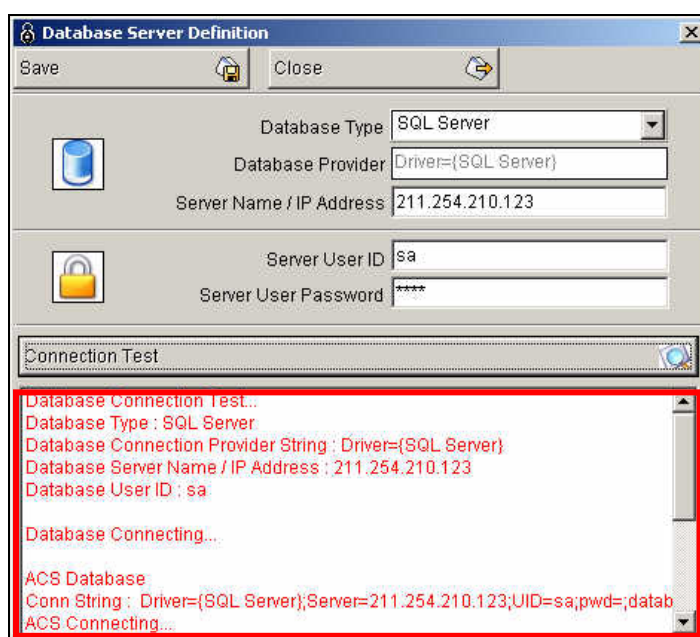
Enter password on **Server User Password**. Enter '**starwatch**' if you followed user manual.



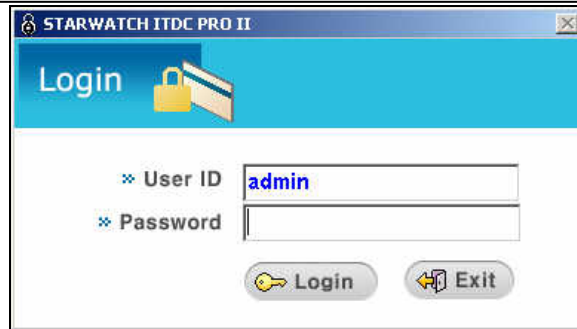
- 3) Click Connection Test to test.
Following screen will be shown when test is completed.



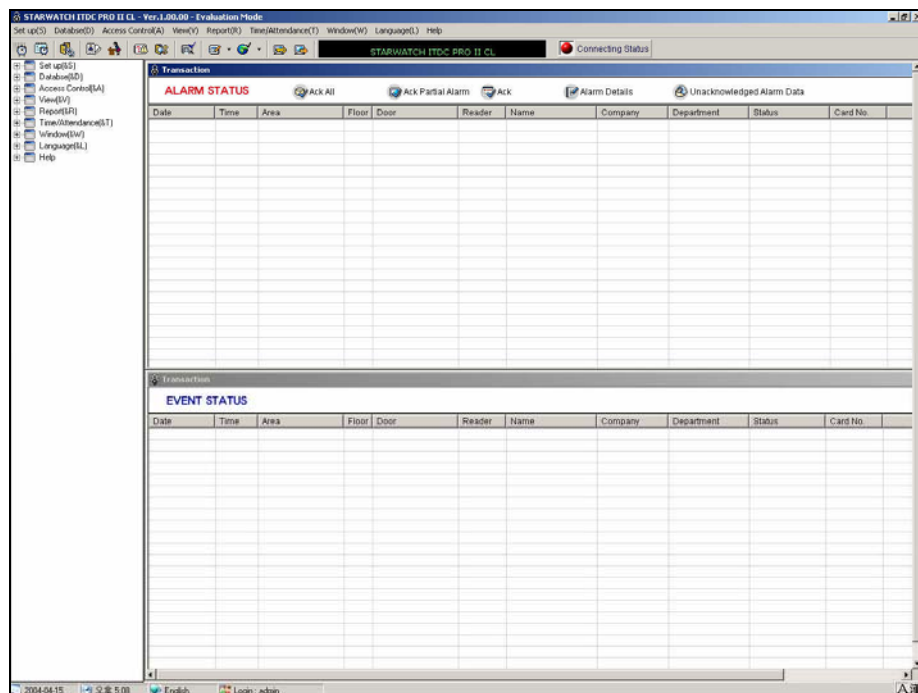
If connection test is failed, following screen will be shown.



- 6) Save setting value and restart to see normal log on screen.
Default ID '**admin**' with no password. .



4) Following is main screen



Database Password Change

- 1) You may change User ID of SQL Server or MSDE that was set initially as 'sa'.
- 2) Run data base server setting menu.
Location : Data base -> Data base server management

- 3) Click 'DB User ID Change '

- 4) Put the new user ID to use.

In order to make sure put the same User ID one more time as below.

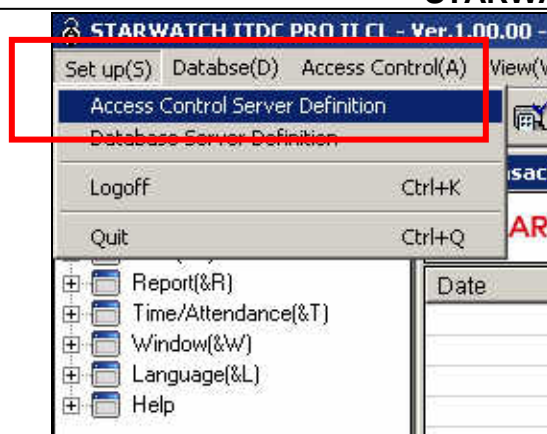
- 5) Click "apply".
- 6) The new user ID and password will be applied in SQL Server or MSDE and in the local PC automatically.

User ID and password setting of STARWATCH iTDC PRO II server or clients in OTHER PC, connected to the data base via network, must be changed manually for their connection to the data base.

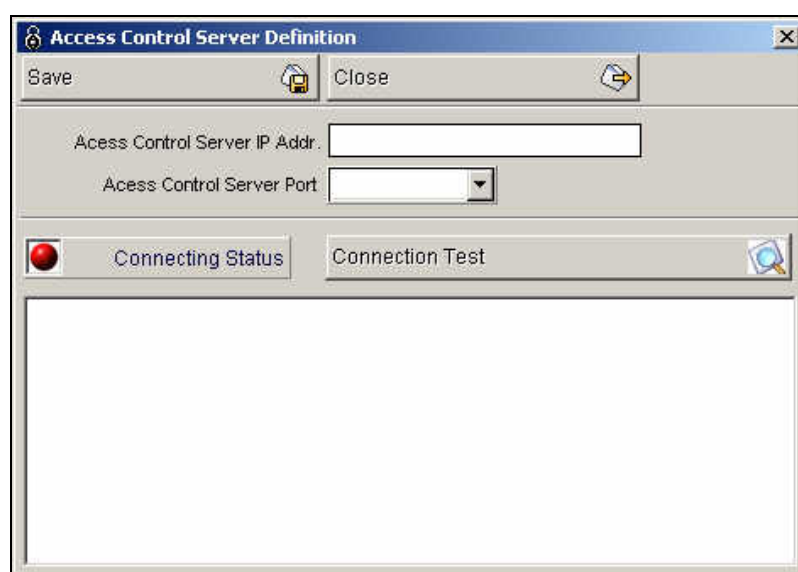
STARWATCH iTDC PRO II Client - ACS Server Connection Definition

Set connection from STARWATCH iTDC PRO II Client to STARWATCH iTDC PRO II Server.

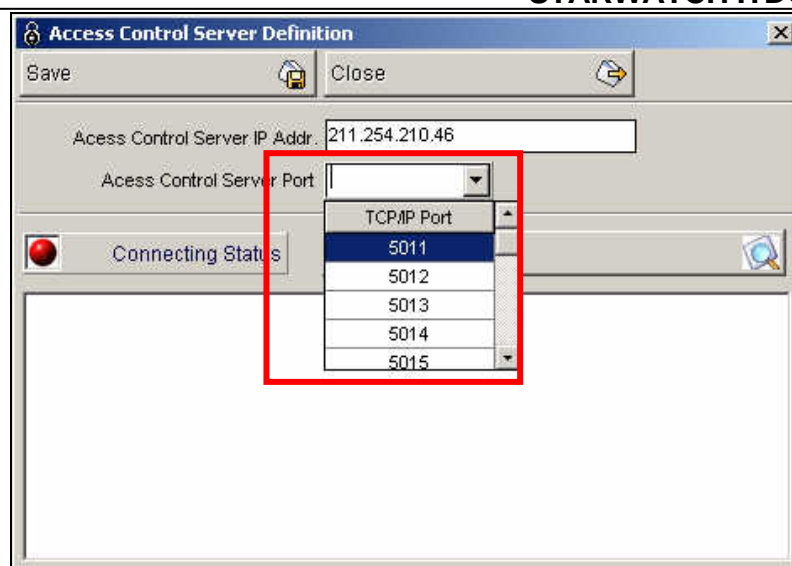
- 1) Run STARWATCH iTDC PRO II CL
Run Setup->Access Control Server Definition.



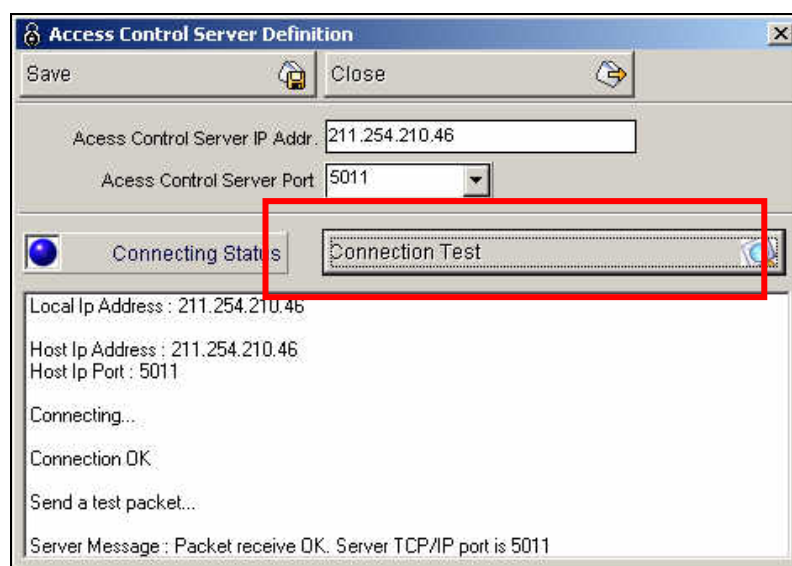
- 2) Following shows the screen for Access Control Server definition.



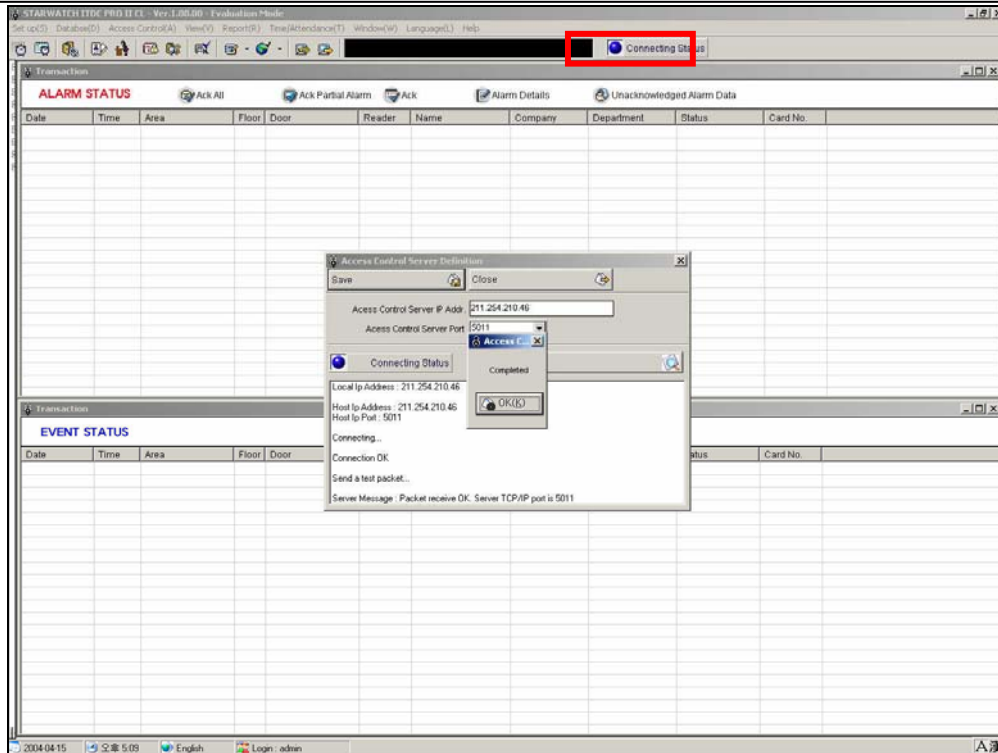
- 3) Enter computer IP address where STARWATCH ITDC PRO II is installed on Access Control Server IP addr.
Set port which client program will be connected on Access Control Server Port.
Port No must not be duplicated. Each client must have own port number.



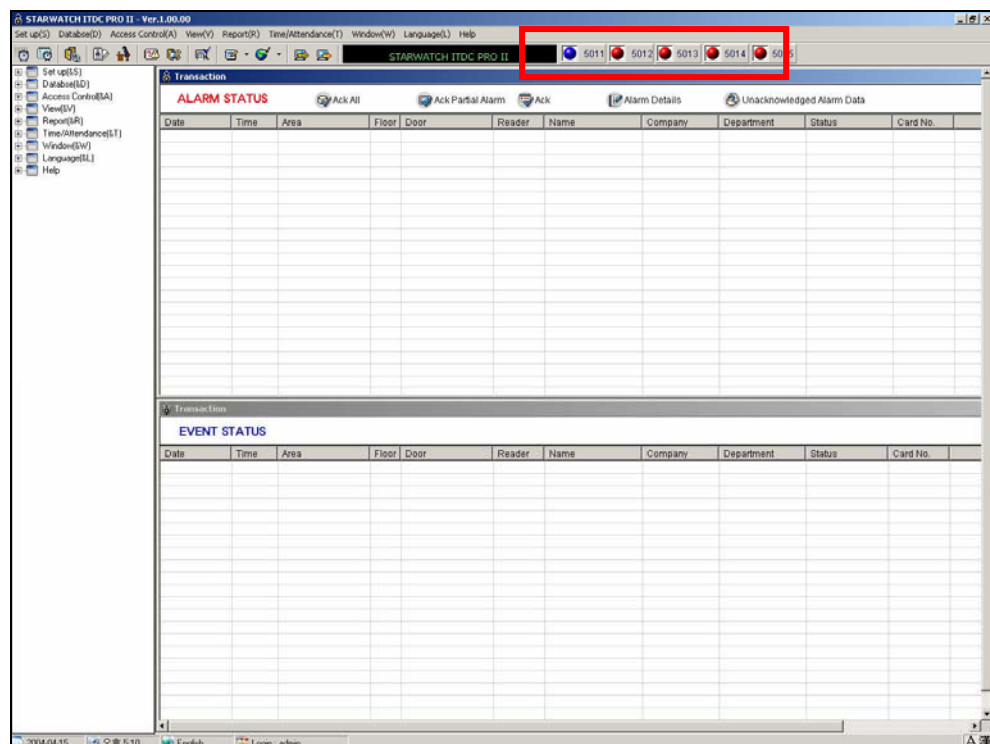
- 4) Click Connection Test and blue ramp will be shown when test is completed.
In case of failure, red light will be shown and check IP address first.



- 5) After completion of test, click save and automatically connected to server.
Connection status is shown on upper side of main screen.



Connection Screen from STARWATCH ITDC PRO II CL



Client connection status from STARWATCH ITDC PRO II

Chapter 3

Structure

STARWATCH iTDC PRO II Structure

This chapter explains STARWATCH iTDC PRO II structure. It explains main screen structure, menu, standard icon, directory, and database file.

STARWATCH iTDC PRO II Main Window

STARWATCH iTDC PRO II main screen is differentiated into 4 parts.

Title Bar and Menu
Menu which allows practicing title of software and/or all functions of iTDC is existed. Able to practice only by contracted key, for that contracted key is set up at each menu. (Contracted key table reference)

section consists of menu and tool bar, and middle contains screen activated by function. Bottom section shows status, and through the main screen, the user can initiate functions quickly and efficiently.

Short Cut Icon
Function used frequently is able to be practiced at once by setting up short cut icon.

Program Area
The screen of function selected in menu or short cut icon is shown in software practice area. The functions users want is executed through this area.

Status Icons
The date of computer, time and language selected currently etc. are shown. And log-in ID of log-in user is shown.

Title bar and Menu

Title bar and Menu



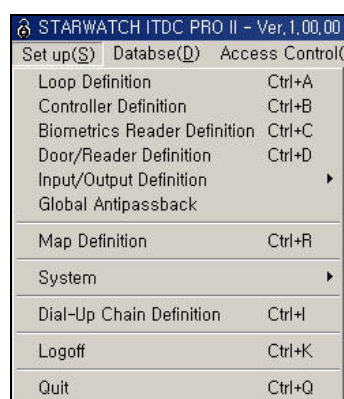
Title bar shows software title and current version.

Menu is categorized into 9 sections. Each menu contains sub-menus, which the user can activate functions by selecting the correlating sub-menu.

Menu Structure and Short Cut Key

■ Set Up

It contains functions for communication relation, device definition, dial up setup, system log off, and quit.



System			Shortcut Key
Set Up			ALT + S
	Loop Definition		CTRL + A
	Controller Definition		CTRL + B
	Biometrics Reader Definition		CTRL + C
	Door/Reader Definition		CTRL + D
	Input/Output Definition	Input/Output Point Definition	
		Input/Output Timeschedule/Type Definition	
	Global Antipassback		
	Map Definition		CTRL + R
	System	Set Time	
		Set Initialize	
	Dial-Up Chain Definition		CTRL + I
	Logoff		CTRL + K
	Quit		CTRL + Q

■ Database

Database contains definition for company, department, title, area setup, map setup, user registration, management and options. Inputting the default user data will be used in user

management. It also contains map function to setup by area and floor. Database management contains backup, recovery, and compression for data.

TCH ITDC PRO II – Ver.1.00.00		
Database(D)	Access Control(A)	View(V)
Database Server Definition		
Access Control Area Definition		Ctrl+P
Company Definition		Ctrl+L
Department Definition		Ctrl+M
Title Definition		Ctrl+N
Access Type Definition		Ctrl+O
User Definition		Ctrl+S
Option		Ctrl+U

Database			Short Cut Key
Database			ALT + D
	Database Server Definition		
	Access Control Area Definition		CTRL + P
	Company Definition		CTRL + L
	Department Definition		CTRL + M
	Title Definition		CTRL + N
	Access Type Definition		CTRL + O
	User Definition		CTRL + S
	Option		CTRL + U

■ Access Control

Access Control menu contains sub functions for managing access control. It contains setup for work holiday, time schedule, user group, user management, and visitor management.

O II – Ver.1.00.00		
Access Control(A)	View(V)	Report(R)
Holiday Definition		F2
Timeschedule Definition		▶
Access Group Definition		F5
Card Holder Management		F6
Deleted Card(ID) Management		F7
Visitor Management		F8
Card Control Management		

Access Control			Short Cut Key
Access Control			ALT + A
	Holiday Definition		F2
	Timeschedule Definition	Time Zone Definition	F3
		Timeschedule Definition	F4
	Access Group Definition		F5

	Card Holder Management		F6
	Deleted Card(ID) Management		F7
	Visitor Management		F8
	Card Control Management		

■ View

View menu contains access door control status, event transaction status, and communication status to monitor functions.

View(V)	Report(R)	Time/Attendance(T)
	Access Door Control/Status	Ctrl+F1
	Transaction Status	Ctrl+F2
	Communication Status	Ctrl+F3
	Event Status Window	

View			Short Cut Key
View			ALT + V
	Access Door Control/Status		CTRL + F1
	Transaction Status		CTRL + F2
	Communication Status		CTRL + F3
	Event Status Window		

■ Report

Report menu contains sub-menus for various reports. You can have 8 types of access control reports.

Report(R)	Time/Attendance(T)	Window(W)	Language(L)
Card Holder Report			Ctrl+F4
Deleted Card Holder Report			Ctrl+F5
Event History Report			Ctrl+F6
Alarm History Report			Ctrl+F7
Accessible Door Report for Individual			Ctrl+F8
Accessible Card Holder Report for Door			Ctrl+F9
Visitor Event History Report			Ctrl+F11
Last Access Event Report			Ctrl+F12

Report			Short Cut Key
Report			ALT + R
	Card Holder Report		CTRL + F4
	Deleted Card Holder Report		CTRL + F5
	Event History Report		CTRL + F6
	Alarm History Report		CTRL + F7
	Accessible Door Report for Individual		CTRL + F8
	Accessible ID Report for Door		CTRL + F9
	Visitor Event History Report		CTRL + F11

■ Time & Attendance

Time & Attendance menu consists of sub-menus relating to the time attendance with the system. It contains definition for work time, work holiday, work type, data (daily, monthly, yearly) expiration, report, and work options to operate functions easily.

Time/Attendance(T)	Window(W)	Language
Work Time Definition	Shift+F2	
Work Holiday Definition	Shift+F3	
Work Type Definition	Shift+F4	
Daily Data Management	Shift+F5	
Monthly Data Management	Shift+F6	
Yearly Data Management	Shift+F7	
Report		
Work Options	Shift+F11	

Time / Attendance			Short Cut Key
Time/Attendance			ALT + T
	Work Time Definition		SHIFT + F2
	Work Holiday Definition		SHIFT + F3
	Work Type Definition		SHIFT + F4
	Daily Data Management		SHIFT + F5
	Monthly Data Management		SHIFT + F6
	Yearly Data Management		SHIFT + F7
	Report	ID/Daily Attendance Report	SHIFT + F8
		Monthly/Yearly Attendance Report	SHIFT + F9
	Work Option		SHIFT + F11

■ Window

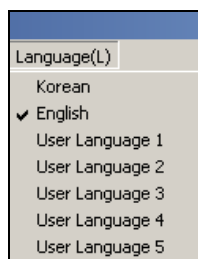
Window menu gives you options for horizontal or vertical viewing in a row.

Window(W)	Language
Horizontal	
Vertical	

Window	
Window	
	Horizontal
	Vertical

■ Language

Language menu contains multiple languages to change language of software for user.

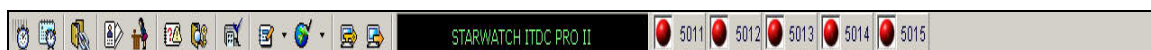


Language	
Language	
	Korean
	English
	User Language 1
	User Language 2
	User Language 3
	User Language 4
	User Language 5

Shortcut Icon





Shortcut icon lets the user perform frequently used functions to quickly initiate jobs.

The black label to the right of shortcut icons displays current activity data of software operation.



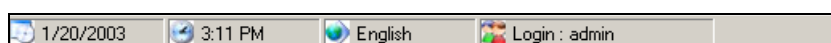
Here are the types of shortcut icons.

Short Cut Icons		
	Time Zone	Create access time code and access time setup.
	Timeschedule	Setup time schedule by day of the week access time code.
	Access Group	Create group in access area.
	Card Holder	Input, edit, and delete card holder data.
	Visitor	Input, edit, and delete visitor data.
	Transaction	Monitor current event transaction in real time.
	Door Control	Monitor door control status and manual control doors.
	Map Definition	Setup item location and area/floor map definition.

	Report	Access control report inquiry and print out report.
	Language	Language setup.
	Logoff	Logoff from software.
	Quit	Quit software

Status bar






Status bar displays current date and time setup in PC. Also, it displays current language and user login ID.






Standard Icon



It explains standard icons used in software. You can see general icons in every screens of software. These icons perform their specified functions. The following explains each icon's function.



Standard Icon 1		
	Find	Finds the data by search condition.
	Add	Used for adding data and activates additional screen.
	Modify	Used in modifying data and activates modify screen.
	Delete	Used in data deletion and deletes the data.
	Close	Closes the current active screen.

Standard Icon 2		
	Transmit	Sends the current selected data to the controller (ITDC)
	Batch Transmit	Sends the searched data and database info in batch format.

Standard Icon 3		
	Create Data	Creates information result with original data.

Standard Icon 4		
	Preview	Searched information is printed out.
	Export	Exports searched information text as Excel file format.

Software Folder

It explains the folder where STARWATCH iTDC PRO II is installed.

SOFTWARE is installed in C:\Program Files\IDTECK\STARWATCH iTDC PRO II\.

User can change the drive and folder, where software is installed. During installation, it can install to other drive and folder if default folder is not used

Database Structure

STARWATCH iTDC PRO II has 4 databases in structure, and all database file is created in Microsoft SQL Server.

The following is the database file creation.

■ iTDC_PRO_II_ACS

This database contains all saved information of controller data, user data, event current alarm data, and is the main database of access control system software.

This is the most important database file, and needs user's management. Refer to maintenance management chapter for detailed explanation.

■ iTDC_PRO_II_TAS

This database is attendance data of software contains all saved information of time attendance, work holiday, work type, end of (day, month, year).

This is most important database in attendance function, and needs user's management.

■ iTDC_PRO_II_CLT

This database is client software database, and contains all saved information of client/server software.

This is most important database in client/server function, and needs user's management.

- iTDC-LANGUAGE.mdb

This multi language database file in software contains all characters information displayed on screen in saved files.

Chapter

4

Initial Setup

STARWATCH iTDC PRO II Initial Setup

This chapter explains installation items setup, after installing STARWATC iTDC PRO II.

Software Login

The following screen appears in initial software activation. Login gives software use authorization, and if this is first time login after installation, you will need to use default login information.



Once the login screen appears, input **admin** for User ID. Password is without. Then press Enter or click Login button to go to main screen.

Software Configuration

Area/Floor Definition

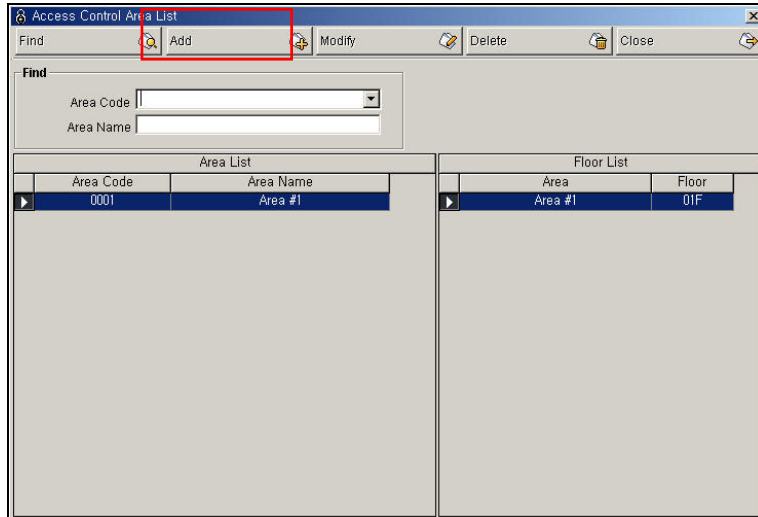
Area/Floor configuration is used for default data creation to distinguish access door, reader, and sensors by installed locations. Multiple buildings can be designated by area, and the floors correlating to the area can be distinguished.

- Start

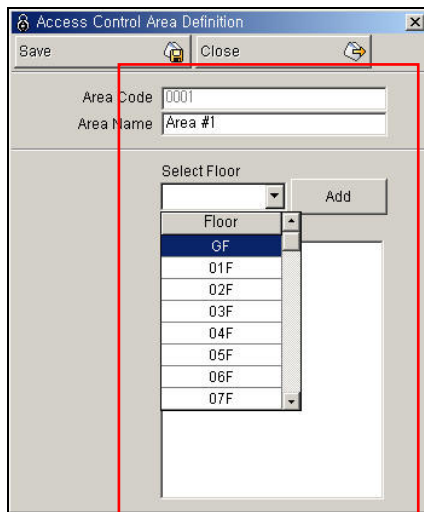
Click Database->Area/Floor definition or press Ctrl+P on keyboard.

■ Add

Add is used to create fresh data. Click Add to input data of area and floor through the input screen.



1) Click Add and the screen below appear.



2) Input area code. If already registered code is used, it will not register, but only a fresh area code.

3) Input area name.

Select floor then click Add button. It will show up in Floor List window. Repeat this procedure to add additional floors.

4) If all the floors are added to the area, click save button to save.

5) Click Close to finish.

Setup the area/floor definition prior to use, because the data is used in variety of ways for registration of access door, reader, input point of contact, and map configuration.

Loop Definition

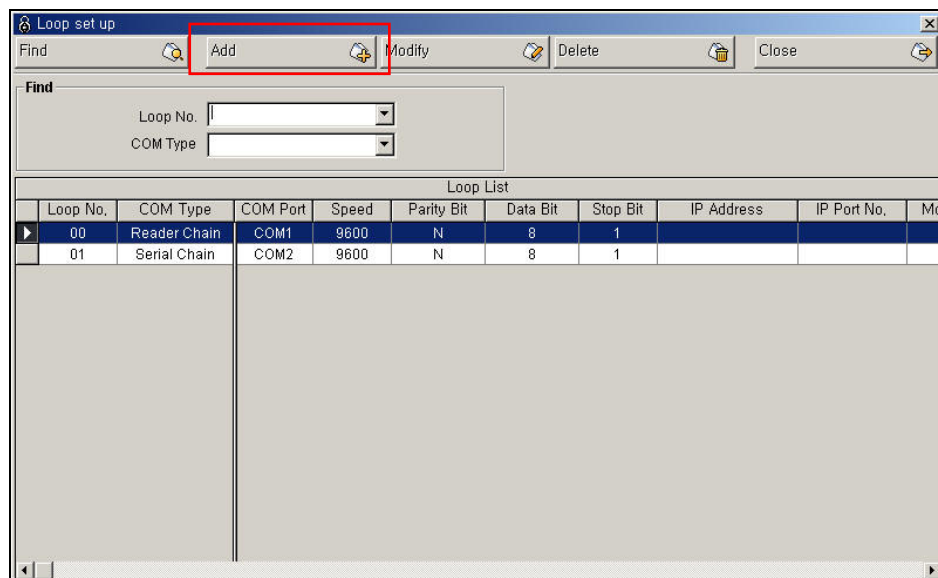
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

■ Start

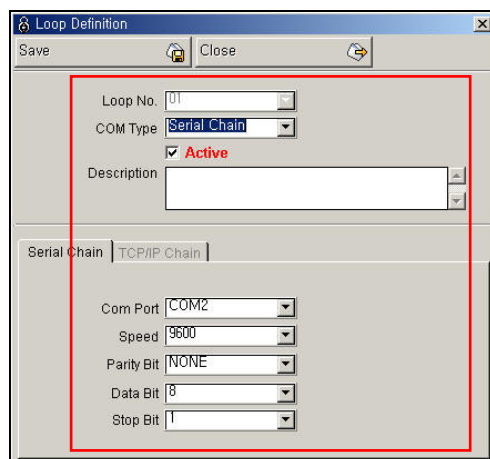
Click Setup-> Loop Definition or press Ctrl+A button on keyboard.

■ Add

Add is used to create fresh data. Click Add to add ports through the input screen.



1) Click Add and the screen below appear.



2) Select loop number. It will indicate port numbers not used.

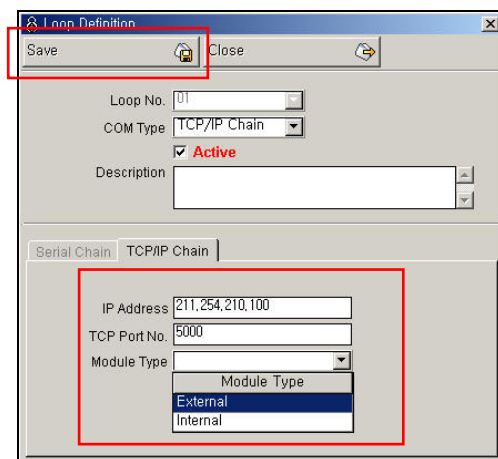
- 3) Select communication type by Serial Chain, TCP/IP Chain, or Dial-Up Chain to setup communication.
- 4) Check mark Active for the correspond port to be able to communicate.

Decide if correspond port will be active for communication. Active check mark Loop No. communicates, but without a check mark will result in no communication.

This option lets the user make the port inactive, if the port requires maintenance due to a problem in communication. User can fix the problem while other locations remain with active ports.

If the port data is modified, you must close the software and restart.

- 5) From Serial Chain tab, select Com Port, Speed, Parity Bit, Data Bit, and Stop Bit. Set the value as 9600 for Speed, none for Parity Bit, 8 for Data Bit, and 1 for Stop Bit as iTDC default set value.
- 6) Selecting TCP/IP Chain tab will change the screen as follows.



In the IP address window, input the address of the external or internal TCP/IP converter.

Input 5000 as default value for TCP Port No.

For Module Type, select internal or external (Neteye 1000s) as converter type.

- 7) Click Save to save the port data input, and click Close to finish.

For detailed explanation of TCP/IP communication, please refer to chapter 7 (TCP/IP communication) in software. Also, refer to chapter 8 regarding Dial-Up communication in software.

Controller Definition

Controller Definition explains data definition of iTDC controller.

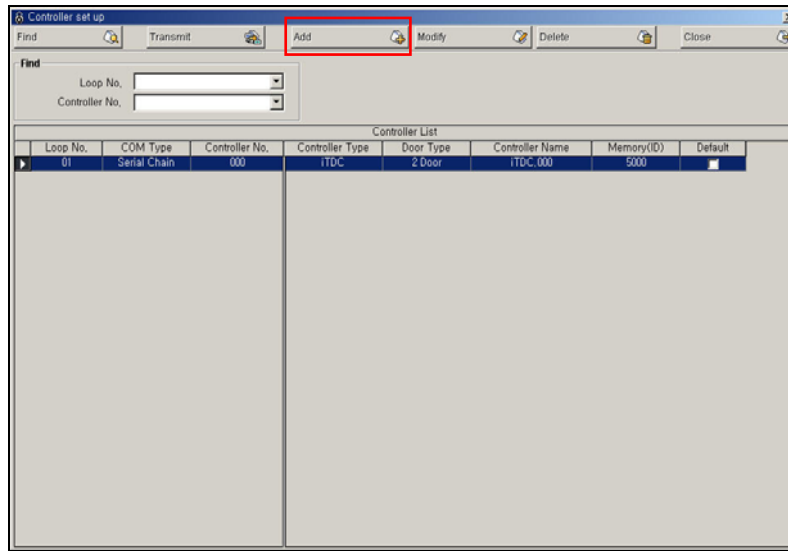
Each iTDC controller has its own communication address. By address type, the software data is defined and communicated. Also, each iTDC controller can have its own function options, and these options are sent to the controllers for application.

■ Start

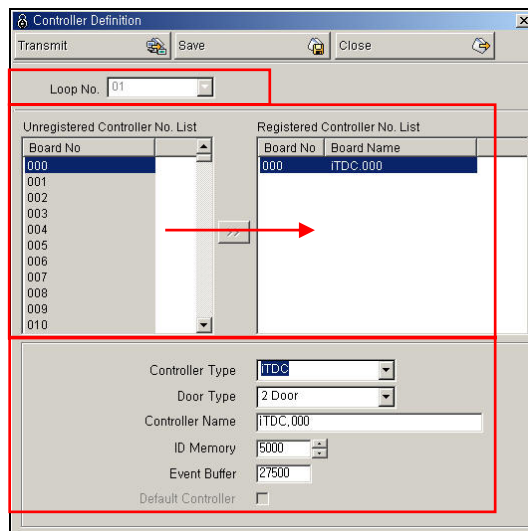
Click Setup->Controller Definition or press Ctrl+B button on keyboard.

■ Add

- 1) Add is used to create fresh data. Click Add to add Controllers through the input screen



- 2) Click Add and the following screen appear.



- 3) Select loop No. It will display the port numbers from port registration.
- 4) Controller numbers not registered will be displayed in Unregistered Controller No. List. Select the Controller No. to register by clicking >> button or double clicking the Controller number to add to the right hand side Registered Controller No. List window.

Controller registration must be done one at a time. This means after registering one Controller number, you need to input the Controller's default data. Once this is done, click Save button to save this Controller's definition to finish. Repeat the procedure to add additional Controllers.

- 5) Select Controller Type as iTDC.
- 6) Select Door Type as 2 Door, 3 Door, or 4 Door for operation.
- 7) Input Controller Name. It must be done because it is used to locate which Controller is having the event when an event occurs.
- 8) Card memory definition is setup. The event memory is automatically defined depending on card memory. Define adequate card and event memory for operation.
- 9) Controller Default value is optional (It is not necessary for operation)
- 10) Click Save button to save data.
- 11) Click Close button to finish.

Door/Reader Definition

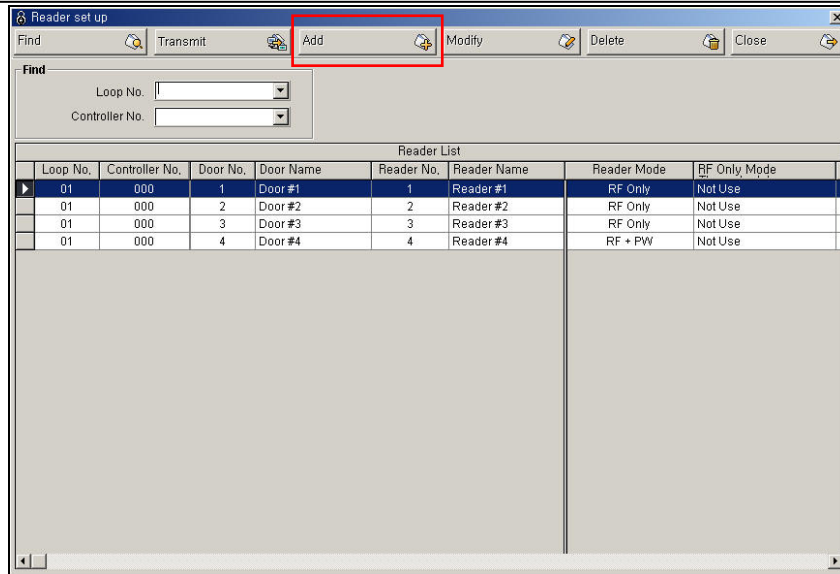
Door/Reader definition explains door and reader data. Door and reader are connected to each iTDC Controller. Therefore, software needs to be defined regarding the door and reader data to control event occurrence and iTDC controller.

- **Start**

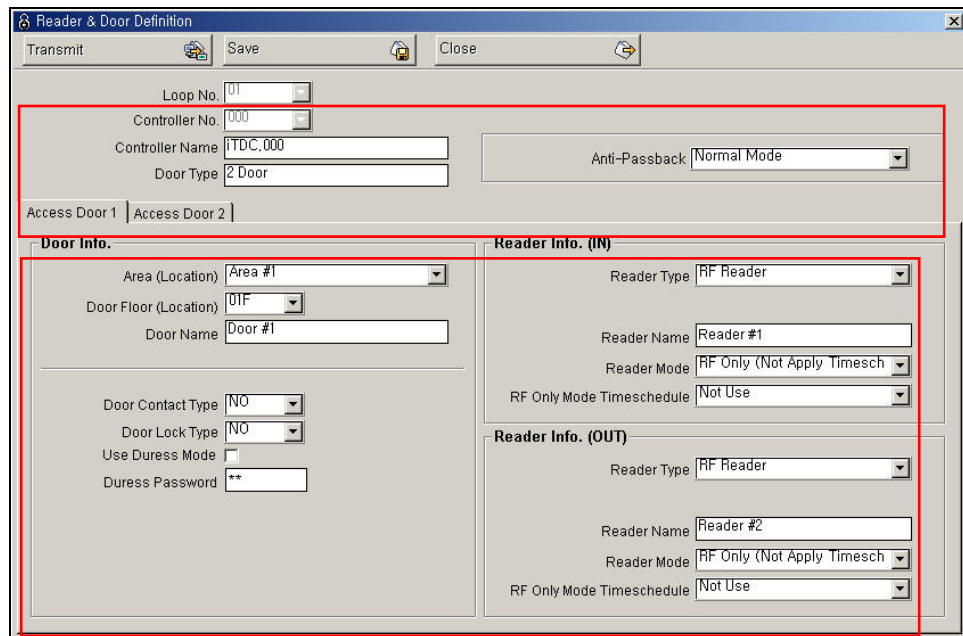
Click System->Door/Reader Definition or press Ctrl+C button on keyboard.

- **Add**

Add is used to create fresh data. Click Add to add Door/Reader data through the input screen.



- 1) Click Add button and the following screen appear.



- 2) Select Loop No. and Controller No. Once Controller number is selected, depending on door type definition, it will display as above example of 2 Door tabs (Access door 1, Access door 2)

In 3 Door definition, it will display tabs (Access door 1, Access door 2, Access door 3)

In 4 Door definition, it will display tabs (Access door 1, Access door 2, Access door 3, Access door 4)

- 3) Anti-Passback is configured. (For detailed explanation, refer to initial setup)
- 4) Input Door Info with area, floor, and name. Area and floor data is according to current installed access doors. (Configure the area/floor of access door through Database->Area/Floor Definition)

For Door Name, input easily identified name for definition.

- 5) Access door contact type and lock type is optional.
- 6) Select Duress Mode if to be used, and input a 2-digit password to use Duress.
- 7) Input data for Reader (In) and Reader (Out).

For Reader Name, input easily identified name for definition.

For Reader Mode, select whether using card ID only or card + password for operation.

For all time schedules upon selecting card + password selection, you can configure to use depending on time to use card ID only or card + password in specified time to change automatically. (This function is connected to time schedule; for detailed explanation, refer to initial setup)

Configure Reader (In) and Reader (Out), if using 1 access door with 2 readers as In and Out, but if using only 1 reader, configure Reader (In) only.

If using 2 doors, configure In and Out reader or In only for all doors.

If using 3 doors, 1 door can be configured as In and Out reader, and the 2 doors as In reader only.

If using 4 doors, all doors are configured as In reader only.

- 8) Use the above method to configure each door (Access door 1, Access door 2, Access door 3, and Access door 4) information for operation.
- 9) Click Save button to save.

Antipassback

Antipassback is the function when In/Out data of user is agreed upon to be given authorization for access.

To use Antipassback, each door needs In/Out reader for operation. If the card was read going in, the same system needs to read it going out. If the card was not read going into the room, you cannot leave the room. Same apply, if the card was not read going out of the room, you cannot go into the room.

Zone Antipassback – Access control via reader connected to one system configuration. 2 readers act as set (In/Out reader) to grant access when In/Out data is agreed.

Duress Mode

Duress mode lets the user gain access when forced upon, by using the 2-digit password to activate the internal silent alarm during a duress event occurrence.

Reader Mode

Sends the configuration to the system of how the readers will be used.

If sending as Card +Password mode, the time schedule and reader mode are activated. It will operate in RF only mode during applied time schedule, and Card +Password mode outside the applied time schedule.

Once the communication configuration and reader registration is completed, you will need to exit the software and re-enter through login for the configurations to be applied.

Once the software is restarted, if the configurations are accurate, the iTDC controller and software will be communicating. Check the status by communication status. If communication is not established, follow the steps below to check.

Check the agreement of software configuration with controller.

Check controller address configuration.

Initialize controller.

Check communication cable connection.

Check converter.

Check communication port configuration of PC, whether configured correctly and activating.

Access Control

This chapter explains specific instructions on Access Control functions in STARWATCH iTDC PRO II.

System

System contains communications, iTDC controller, and directly related functions. Configurations are setup for communication port, controller data, reader, door, and various data. Also, the setup values are sent to the iTDC Controller for application.

System related functions are to precede after controller and software initial installation, and these functions are not used frequently, but plays a critical part during initial setup.

Loop Definition

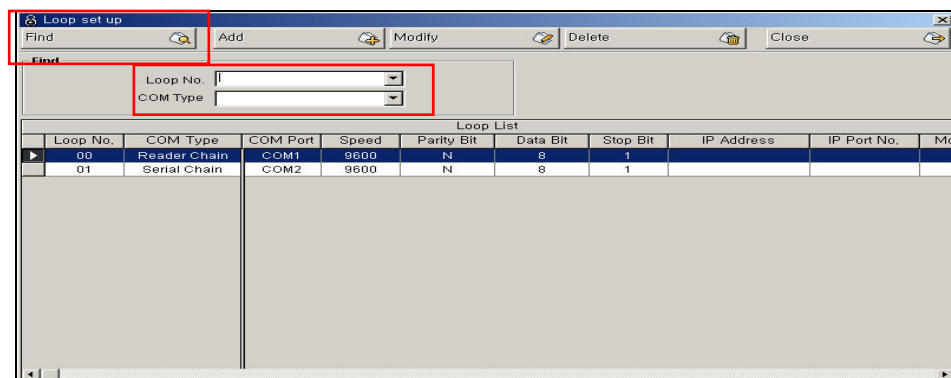
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

■ Start

Click Setup-> Loop Definition or press Ctrl+A button on keyboard.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



- 1) Select Loop No. and Comm Type as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information

Find, Add, Modify, and Delete functions are all applied equally in input/output screen. Once you familiarize these functions, you can easily understand them as they are used equally in other input/output screens.

■ Add

Add is used to create fresh data. Click Add button to add work type data through input screen.

The screenshot shows the 'Loop Definition' dialog box. The 'Save' button is highlighted with a red rectangle. The dialog box contains the following fields and options:

- Loop No.: 01
- COM Type: Serial Chain
- Active: ☒ Active
- Description: (empty text box)
- Serial Chain: TCP/IP Chain
- Com Port: COM2
- Speed: 9600
- Parity Bit: NONE
- Data Bit: 8
- Stop Bit: 1

1) Click Add button, and the following screen appear.

The screenshot shows the 'Loop Definition' dialog box with a red rectangle highlighting the input fields. The fields are the same as in the previous screenshot:

- Loop No.: 01
- COM Type: Serial Chain
- Active: ☒ Active
- Description: (empty text box)
- Serial Chain: TCP/IP Chain
- Com Port: COM2
- Speed: 9600
- Parity Bit: NONE
- Data Bit: 8
- Stop Bit: 1

- 2) Select Loop No. and it will indicate Loop No. not used. The Loop No. already in use is not displayed.
- 3) Select Comm Type as Serial Chain for Serial, TCP/IP Chain for TCP/IP, and Dial-Up Chain for Dial-Up as communication type.
- 4) Check mark Active for the correspond port to be able to communicate.

Decide if correspond loop will be active for communication. **Active check mark** loop No. communicates, but without a check mark will result in no communication.

This option lets the user make the loop inactive, if the loop requires maintenance due to a problem in communication. User can fix the problem while other locations remain with active loops.

If the loop data is modified, you must close the software and restart.

- 5) Select from Serial Chain tab, Comm Port, Speed, Parity Bit, Data Bit, and Stop Bit. The default value is Speed 9600, Parity Bit None, Data Bit 8, and Stop Bit 1 for configuration.
- 6) Input screen changes if TCP/IP Chain is selected.

The screenshot shows the 'Loop Definition' dialog box with the 'TCP/IP Chain' tab selected. The 'Active' checkbox is checked. The 'IP Address' field contains '211.254.210.100', 'TCP Port No.' is '5000', and 'Module Type' is set to 'External'. A red box highlights the 'IP Address', 'TCP Port No.', and 'Module Type' fields.

Input the IP Address from the external converter or internal converter for configuration.

Input TCP Port No. as default value 5000. (Port No. is fixed at 5000)

Select Module Type as internal or external version.

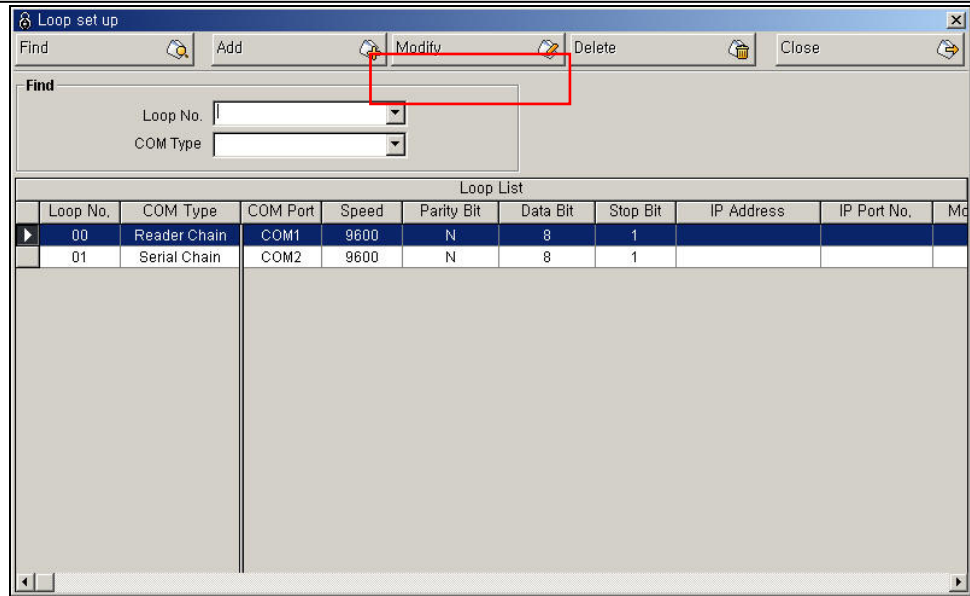
For detailed instructions on TCP/IP communication, refer to chap. 7.

- 7) Click Save button to save inputted data, and click Close button to finish.

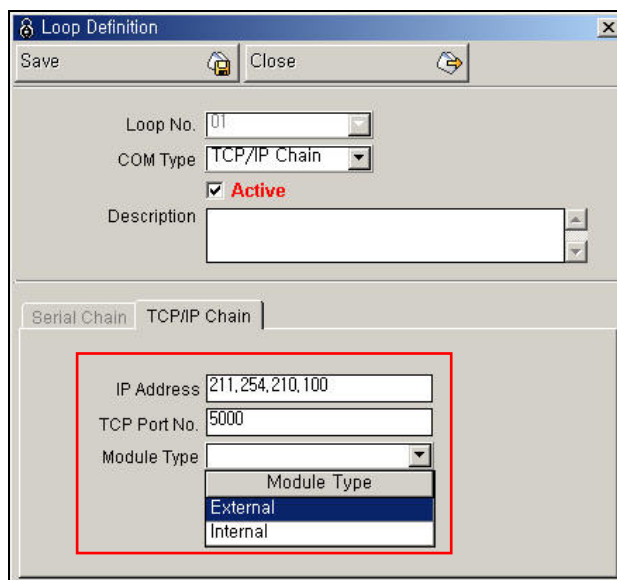
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered work time category.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the above screen. The loop list is equal to registration screen. Therefore, the loop No. cannot be changed.

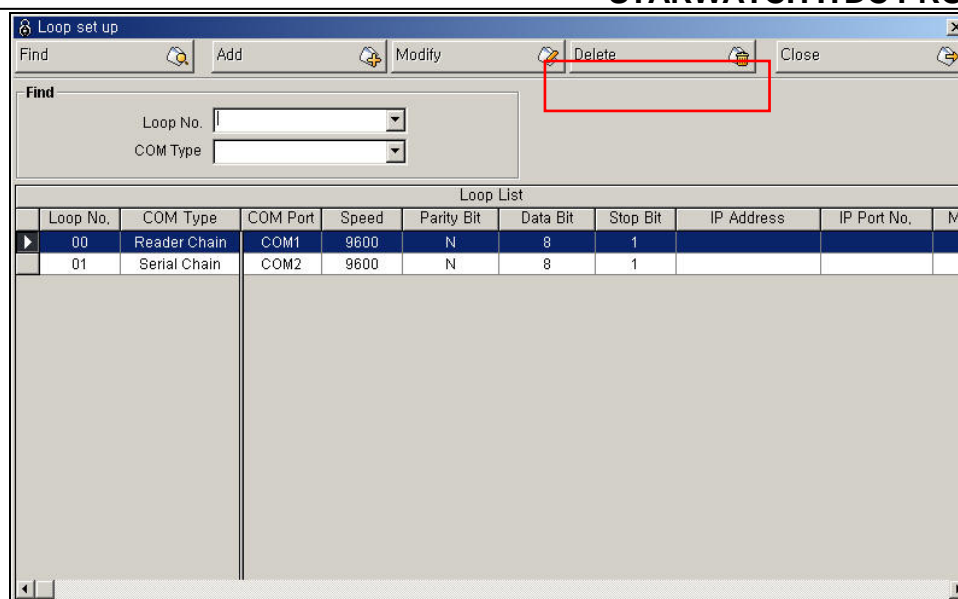


- 2) Modify the items that need changing. Once completed, click Save button to save the modify data.
- 3) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered category list data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Deleting the registered port will erase all data of Controller, access door, and reader. Please use extreme caution when using this function.

Controller Definition

Controller Definition explains data definition of iTDC controller. Each iTDC controller has its own communication address. By address type, the software data is defined and communicated. Also, each iTDC controller can have its own function options, and these options are sent to the controllers for application.

- Start

Click Set up->Controller Definition or press Ctrl+B button on keyboard.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

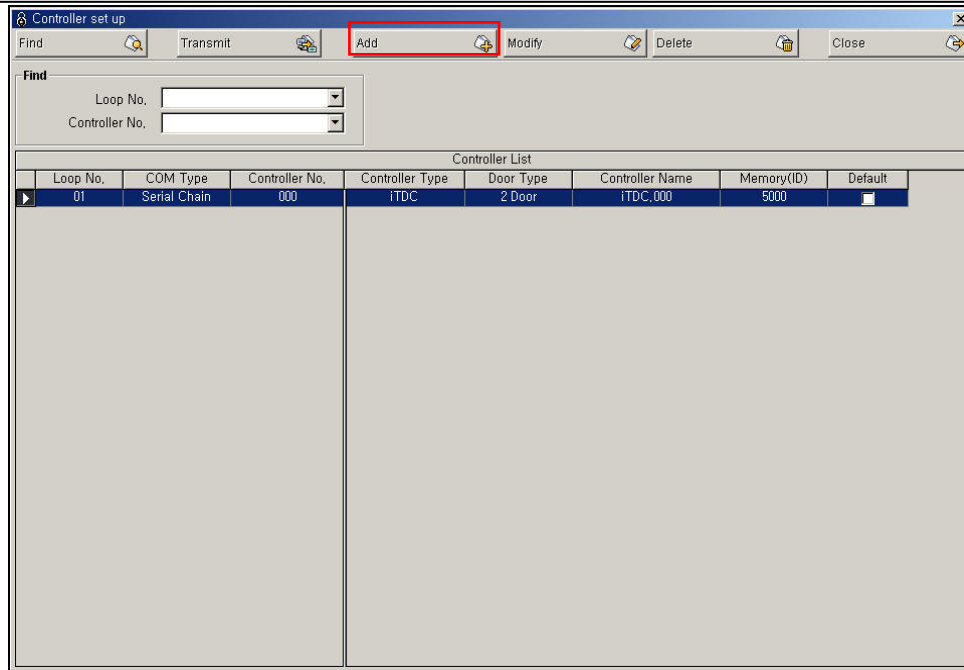
Controller List							
Loop No.	COM Type	Controller No.	Controller Type	Door Type	Controller Name	Memory(ID)	Default
01	Serial Chain	000	ITDC	2 Door	ITDC,000	5000	<input type="checkbox"/>

- 1) Select Loop No. and Controller No. as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, it will display the results.

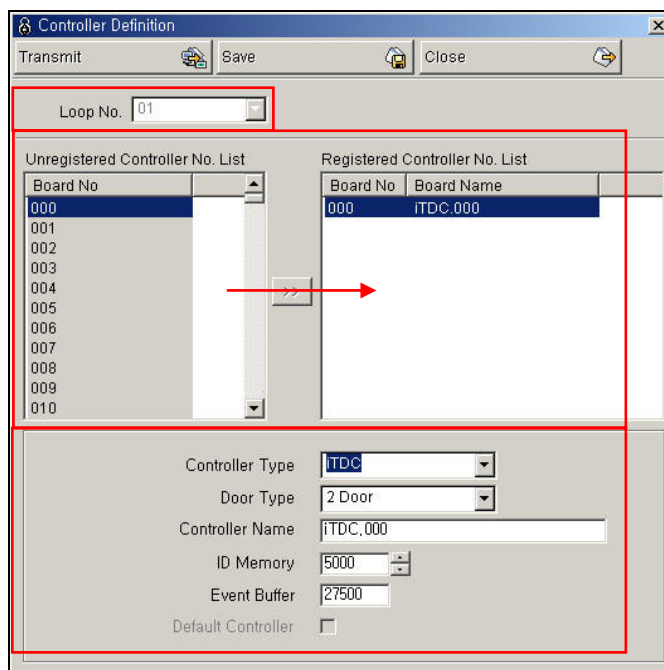
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add button to add data through input screen.



- 1) Click Add button, and the following screen appear.



- 2) Select Loop No. It displays only the Loop No. that was registered in Loop Definition.
- 3) Unregistered Controller No. List displays items not selected from Loop No. Select the Controller No. to be registered choosing and clicking >> button or double click the Controller No. to select, and it will show up on the right hand side Registered Controller No. List.

Controller registration must be done one at a time to setup.

It will register one Controller number with its basic data for configuration. Click Save button to complete the process.

Repeat the procedure to add additional Controllers.

- 4) Select Controller Type as iTDC.
- 5) Select Door Type as 2 door type, 3 door type, or 4 door type for operation.
- 6) Input Controller Name. This is a must in order to define the location, when an event occurs to a Controller.
- 7) Configure card memory. Depending on card memory setup, the event memory is automatically setup. Configure adequate amount of card and event memory.
- 8) Default Controller value is optional. It is not necessary for operation.
- 9) Click Save button to save data.
- 10) Click Transmit button to send setup data to Controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

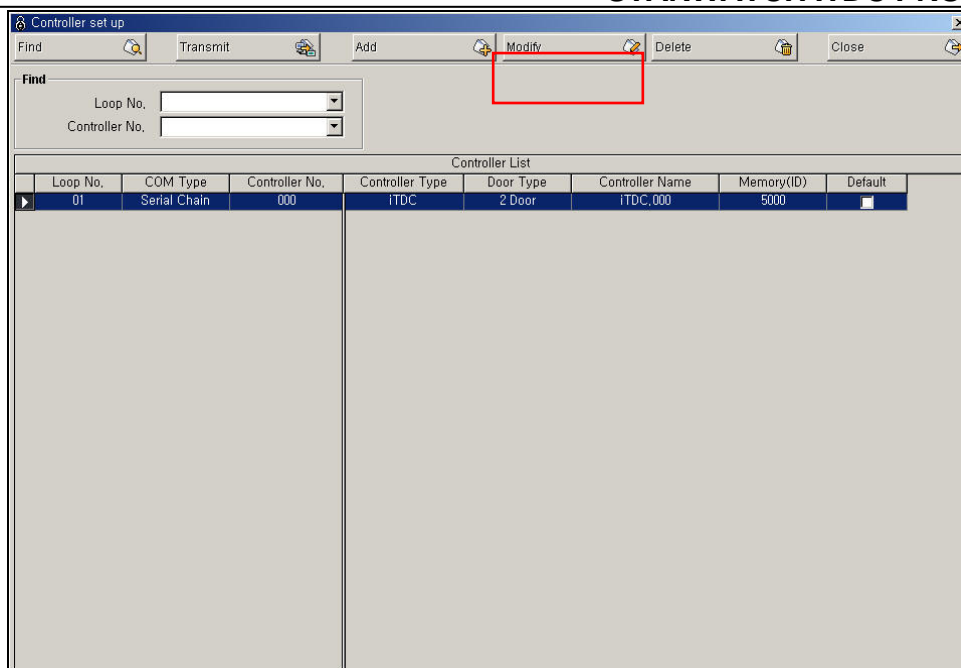
Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 11) Click Close button to finish.

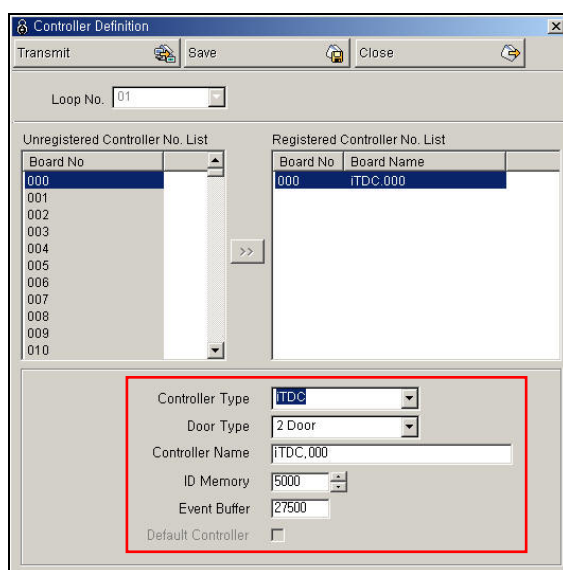
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered Controller category.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the following screen. The Controller Modify is equal to registration screen. However, the Loop No. cannot be changed, and modify is possible to the selected one Controller address.



Modify the items that need changing.

- 2) Click Save button to save the modified information.
- 3) Click Transmit button to send setup data to Controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

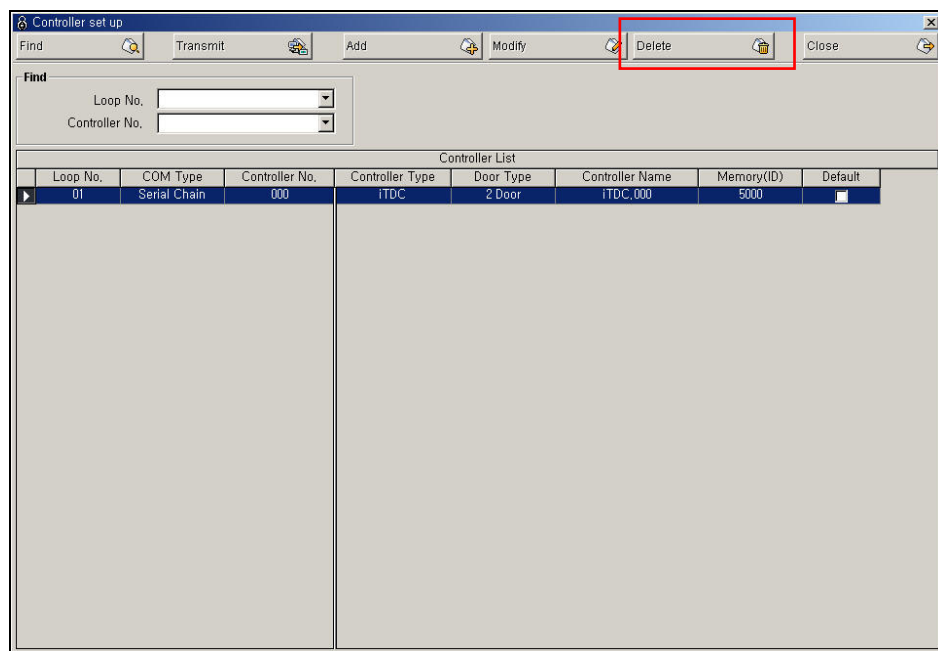
Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 4) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered Controller category data.

Selected data is displayed as below figure in high-lighted blue bar.



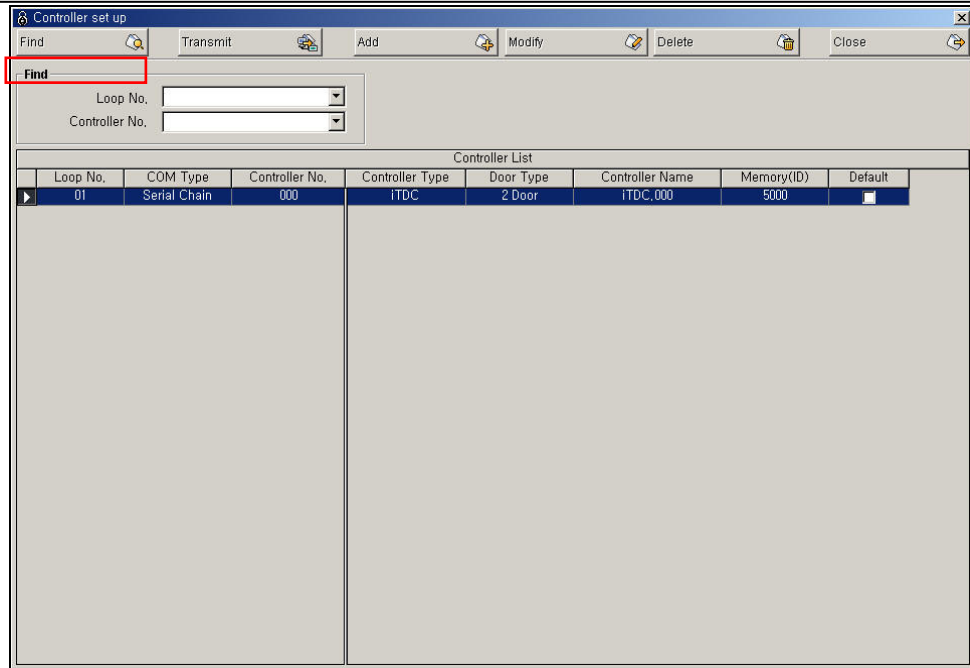
- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Deleting the registered Controller will erase all data of Controller, access door, and reader. Please use extreme caution when using this function.

■ Transmit

This function is used to send the setup functions to the iTDC controller for activation. Use Find to search for data transmit or select the data from the registered Controller categories to send.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Transmit button. This will send the selected data to the corresponding Controller No for application.

During transmit, if errors do not occur, there are no messages. This means the transmit was completed without disruption.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and iTDC Controller for problems.

Biometrics Reader Definition

Biometrics Reader Definition explains data definition of biometrics reader (FGR006, FINGER006). Each Biometrics Reader has its own communication address over 100. By address type, the software data is defined and communicated for biometrics data. Also, each biometrics reader can have its own function options, and these options are sent to the biometrics reader for application.

- Start

Click Set up->Biometrics Reader Definition or press Ctrl+C button on keyboard.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

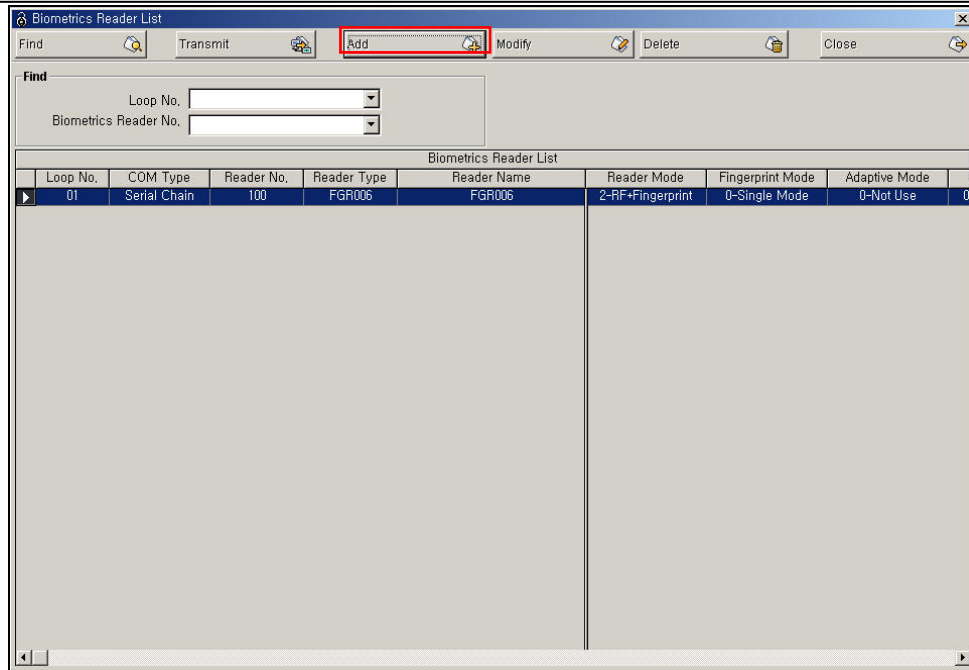
Loop No.	COM Type	Reader No.	Reader Type	Reader Name	Reader Mode	Fingerprint Mode	Adaptive Mode	
01	Serial Chain	100	FGR006	FGR006	2-RF+Fingerprint	0-Single Mode	0-Not Use	0

- 3) Select Loop No. and Biometrics Reader No. as appropriate.
- 4) Click Find to make an inquiry. If inquired result is available, it will display the results.

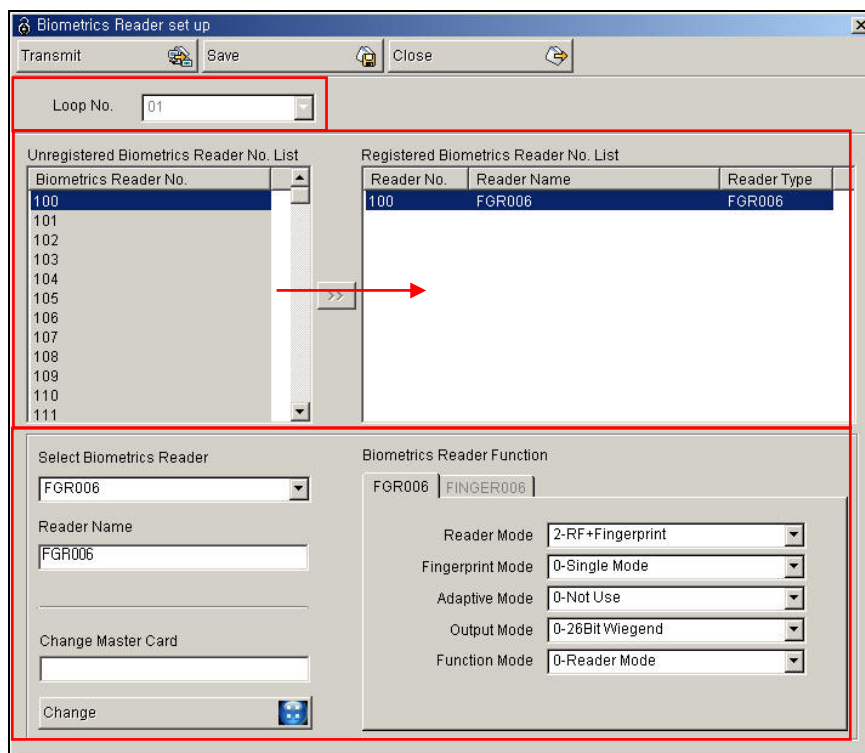
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add button to add data through input screen.



- 1) Click Add button, and the following screen appear.



- 2) Select Loop No. It displays only the Loop No. that was registered in Loop Definition.
- 3) Unregistered Biometrics Reader No. List displays items not selected from Loop No. Select the Controller No. to be registered choosing and clicking >> button or double click the Controller No. to select, and it will show up on the right hand side Registered Controller No. List.

Biometrics Reader registration must be done one at a time to setup.

It will register one biometrics reader number with its basic data for configuration. Click Save button to complete the process.

Repeat the procedure to add additional biometrics readers.

- 4) Select Biometrics Reader Type.
- 5) Input Reader Name. This is a must in order to define the location, when an event occurs to a Controller.
- 6) Configure Biometrics Reader Function. Each functions is explained in H/W manual
- 8) Click Save button to save data.
- 9) Click Transmit button to send setup data to biometrics reader.
- 10) To change a master card, Input a master card no. to change. Click Change button.

When setup is performed for all biometrics reader, software, and related data, it is not active until transmitted to biometrics. It is possible the transmit function may not work properly.

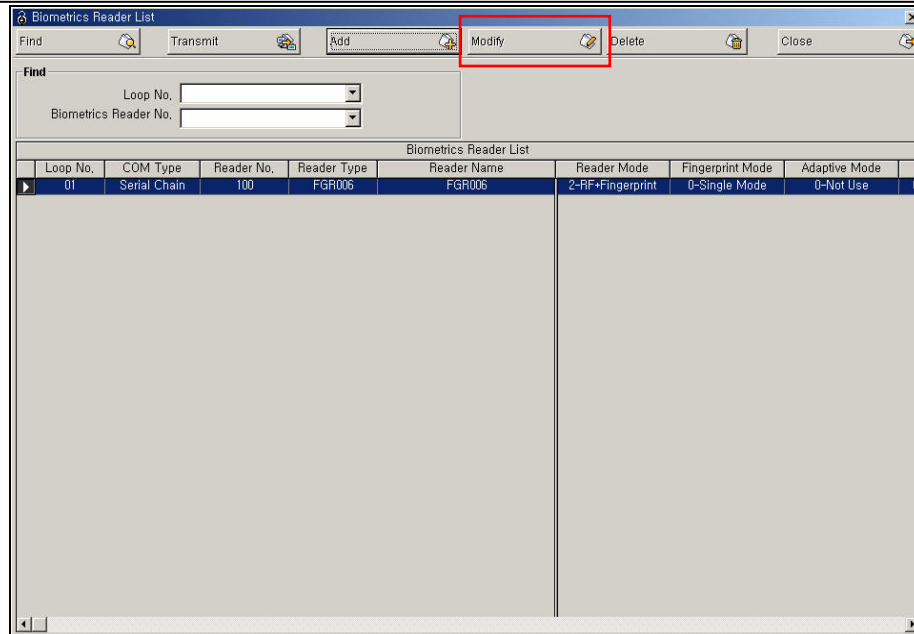
Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 11) Click Close button to finish.

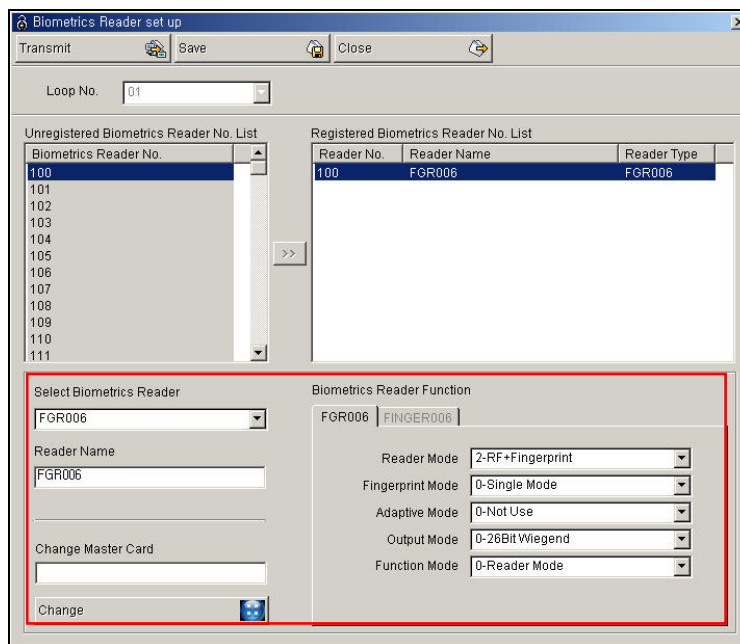
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered biometrics reader category.

Selected data is displayed as below figure in highlighted blue bar.



- 5) Click Modify to see the following screen. The Modify is equal to registration screen. However, the Loop No. cannot be changed, and modify is possible to the selected one Controller address.



Modify the items that need changing.

- 6) Click Save button to save the modified information.
- 7) Click Transmit button to send setup data to biometrics reader.

When setup is performed for all biometrics reader, software, and related data, it is not active until transmitted to biometrics. It is possible the transmit function may not work properly.

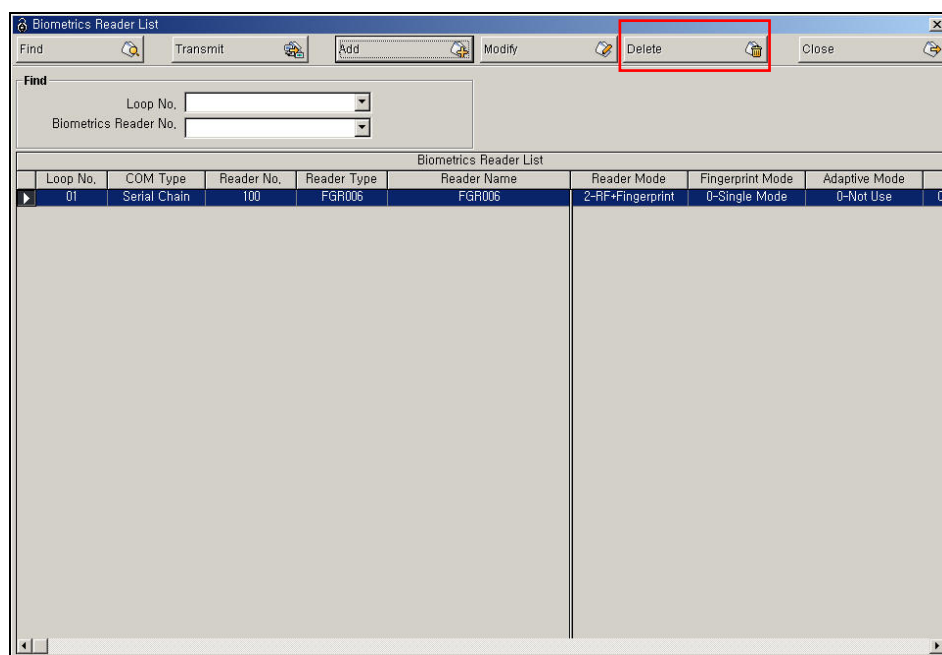
Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 8) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered biometrics reader category data.

Selected data is displayed as below figure in high-lighted blue bar.

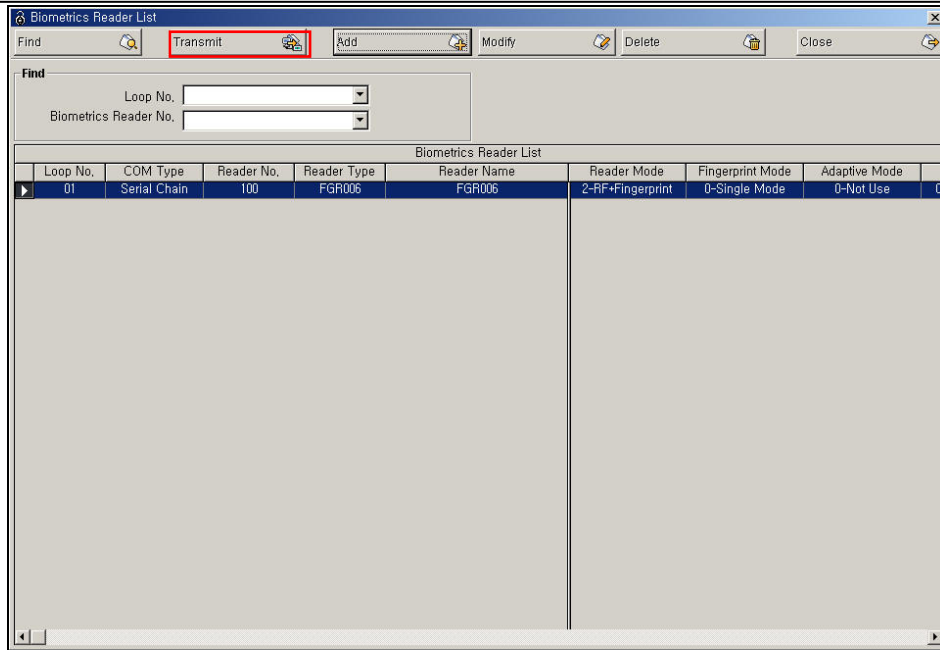


- 2) Click Delete button. Click Yes button to delete or No button to cancel.

■ Transmit

This function is used to send the setup functions to the biometrics reader for activation. Use Find to search for data transmit or select the data from the registered biometrics reader categories to send.

Selected data is displayed as below figure in highlighted blue bar.



- 2) Click Transmit button. This will send the selected data to the corresponding biometrics reader No. for application.

Door/Reader Definition

Door/Reader definition explains door and reader data. Door and reader are connected to each iTDC Controller. Therefore, software needs to be defined regarding the door and reader data to control event occurrence and iTDC controller.

- Start

Click Set up->Door/Reader Definition or press Ctrl+C button on keyboard.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

The screenshot shows the 'Reader set up' window. At the top, there is a toolbar with buttons: Find, Transmit, Add, Modify, Delete, and Close. The 'Find' button is highlighted with a red box. Below the toolbar, there is a 'Find' section with two dropdown menus: 'Loop No.' and 'Controller No.', both of which are also highlighted with a red box. Below this is a table titled 'Reader List'.

Loop No.	Controller No.	Door No.	Door Name	Reader No.	Reader Name	Reader Mode	RF Only Mode
01	000	1	Door #1	1	Reader #1	RF Only	Not Use
01	000	2	Door #2	2	Reader #2	RF Only	Not Use
01	000	3	Door #3	3	Reader #3	RF Only	Not Use
01	000	4	Door #4	4	Reader #4	RF + PW	Not Use

- 1) Select Loop No. and Controller No. as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add to add Door/Reader data through the input screen.

Loop No.	Controller No.	Door No.	Door Name	Reader No.	Reader Name	Reader Mode	RF Only Mode
01	000	1	Door #1	1	Reader #1	RF Only	Not Use
01	000	2	Door #2	2	Reader #2	RF Only	Not Use
01	000	3	Door #3	3	Reader #3	RF Only	Not Use
01	000	4	Door #4	4	Reader #4	RF + PW	Not Use

- 1) Click Add button and the following screen appear.

Loop No. [01] Controller No. [000] Controller Name [ITDC,000] Door Type [2 Door] Anti-Passback [Normal Mode]

Access Door 1 | Access Door 2

Door Info.

Area (Location) [Area #1] Door Floor (Location) [01F] Door Name [Door #1]

Door Contact Type [NO] Door Lock Type [NO] Use Duress Mode [] Duress Password [**]

Reader Info. (IN)

Reader Type [RF Reader] Reader Name [Reader #1] Reader Mode [RF Only (Not Apply Timesch)] RF Only Mode Timeschedule [Not Use]

Reader Info. (OUT)

Reader Type [RF Reader] Reader Name [Reader #2] Reader Mode [RF Only (Not Apply Timesch)] RF Only Mode Timeschedule [Not Use]

- 2) Select Loop No. and Controller No. Once Controller No. is selected, depending on door type definition, it will display as above example of 2 Door tabs (Access door 1, Access door 2)

In 3 Door definition, it will display tabs (Access door 1, Access door 2, Access door 3)

In 4 Door definition, it will display tabs (Access door 1, Access door 2, Access door 3, Access door 4)

- 3) Anti-Passback is configured. (For detailed explanation, refer to chapter 4 initial setup)
- 4) Input Door Info with area, floor, and name. Area and floor data is according to current installed access doors. (Configure the area/floor of access door through Database->Area/Floor Definition)

For Door Name, input easily identified name for definition.

- 5) Access door contact type and lock type is optional.
- 6) Select Duress Mode if to be used, and input a **2-digit password** to use Duress.
- 7) Input data for Reader (In) and Reader (Out).

For Reader Name, input easily identified name for definition.

For Reader Mode, select whether using card ID or card + password for operation. (You will need keypad reader to use this setup). **For all time schedules** upon selecting card + password selection, you can configure to use depending on time to use card ID or card + password in specified time to change automatically. (This function is connected to time schedule for detailed explanation, refer to chap. 4)

Configure Reader (In) and Reader (Out), if using 1 access door with 2 readers as In and Out, but if using only 1 reader, configure Reader (In) only.

If using 2 doors, configure In and Out reader or In only for all doors.

If using 3 doors, 1 door can be configured as In and Out reader, and the 2 doors as In reader only.

If using 4 doors, all doors are configured as In reader only.

- 8) Use the above method to configure each door (Access door 1, Access door 2, Access door 3, and Access door 4) information for operation.
- 9) Click Save button to save.
- 10) Click Close button to transmit setup data to iTDC controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 11) Click Close button to finish.

■ **Modify**

Modify is used to change existing data inputted. Find data to modify or to change registered reader category.

Selected data is displayed as below figure in highlighted blue bar.

Loop No.	Controller No.	Door No.	Door Name	Reader No.	Reader Name	Reader Mode	RF Only Mode
01	000	1	Door #1	1	Reader #1	RF Only	Not Use
01	000	2	Door #2	2	Reader #2	RF Only	Not Use
01	000	3	Door #3	3	Reader #3	RF Only	Not Use
01	000	4	Door #4	4	Reader #4	RF + PW	Not Use

- 1) Click Modify to see the following screen. The Reader/Door Definition is equal to registration screen. However, the Loop No. and Controller No cannot be modified.

Door Info.

Area (Location): Area #1

Door Floor (Location): 01F

Door Name: Door #1

Door Contact Type: NO

Door Lock Type: NO

Use Duress Mode: ☐

Duress Password: **

Reader Info. (IN)

Reader Type: RF Reader

Reader Name: Reader #1

Reader Mode: RF Only (Not Apply Timesch)

RF Only Mode Timeschedule: Not Use

Reader Info. (OUT)

Reader Type: RF Reader

Reader Name: Reader #2

Reader Mode: RF Only (Not Apply Timesch)

RF Only Mode Timeschedule: Not Use

- 2) Modify category that needs changing. Once completed, click Save button to save modified data.
- 3) Click Transmit button to send setup data to iTDC Controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

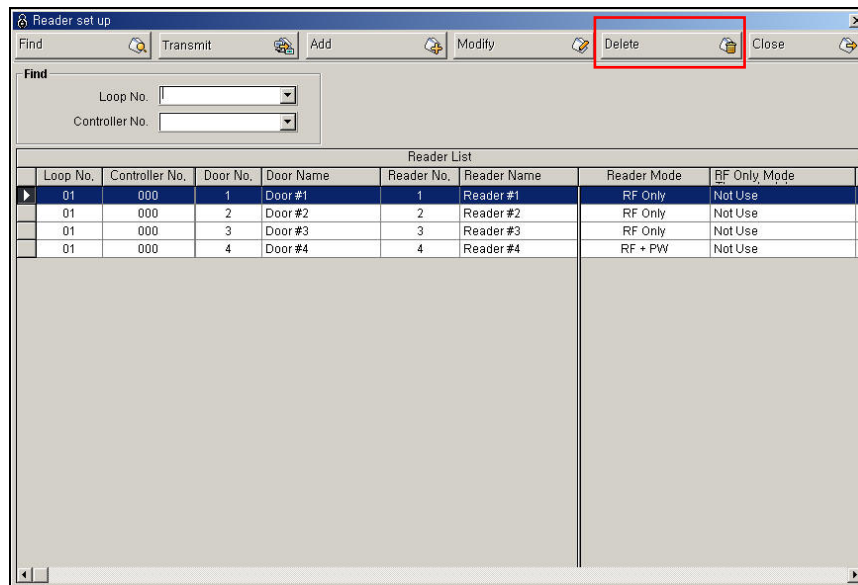
Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 4) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered data.

Selected data is displayed as below figure in highlighted blue bar.

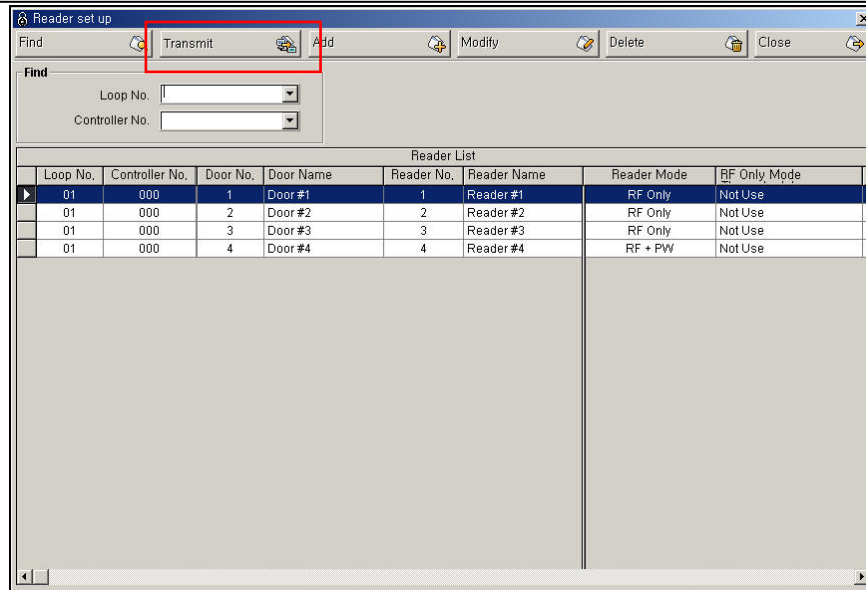


- 1) Click Delete button. Click Yes button to delete or No button to cancel.

■ Transmit

This function is used to send the setup functions to the iTDC controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted blue bar.



- 3) Click Transmit button. This will send the selected data to the corresponding Controller No for application.

During transmit, if errors do not occur, there are no messages. This means the transmit was completed without disruption.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and iTDC Controller for problems.

In/Output Definition

In/Output Definition configures signal activation for specific outputs when an input signal occurs. It also sets how long in seconds the output signal will activate.

It is also possible to setup a user preferred text display, when an input signal type occurs.

Depending on In/Output Controller door type setup, the data in reference to In/Output signal using iTDC controller default value is automatically created and stored in the database. For this reason, the user does not have to Add or Delete, but the In/Output signal, activated time, and point of input can be modified and transmitted.

There is not add/delete function for input/output point information.

Input/Output data are automatically selected based on door type entered from Controller set up.

Because this data is registered by default setting value of iTDC, user dose not need to add or delete data. Only modification is available to change setting value of input/output and download modified data to control iTDC.

Input/output data in selected iTDC controllers are automatically deleted when user deletes Controller from Controller setting.

Refer hardware manual to setting default value for input/out based on door type.

■ Start

Click Set up->Input/Output Definition List or press shortcut key Ctrl+E.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

Loop No.	Controller No.	Input Point No.	Input Point Name	Input Point Type	Output 1(sec)	Output 2(sec)	Output 3(sec)	Output 4(sec)
01	000	01	Exit Button	Exit Button	03	00	00	00
01	000	02	Door Contact	Door Contact	00	03	00	00
01	000	03	Exit Button	Exit Button	00	00	03	00
01	000	04	Door Contact	Door Contact	00	00	00	03
01	000	05	Input 5	Input 5	00	00	00	00
01	000	06	Input 6	Input 6	00	00	00	00
01	000	07	Input 7	Input 7	00	00	00	00
01	000	08	Extension Input 1	Extension Input 1	00	00	00	00
01	000	09	Extension Input 2	Extension Input 2	00	00	00	00
01	000	10	Extension Input 3	Extension Input 3	00	00	00	00
01	000	11	Extension Input 4	Extension Input 4	00	00	00	00
01	000	12	Extension Input 5	Extension Input 5	00	00	00	00
01	000	13	Extension Input 6	Extension Input 6	00	00	00	00
01	000	14	Extension Input 7	Extension Input 7	00	00	00	00
01	000	15	Extension Input 8	Extension Input 8	00	00	00	00

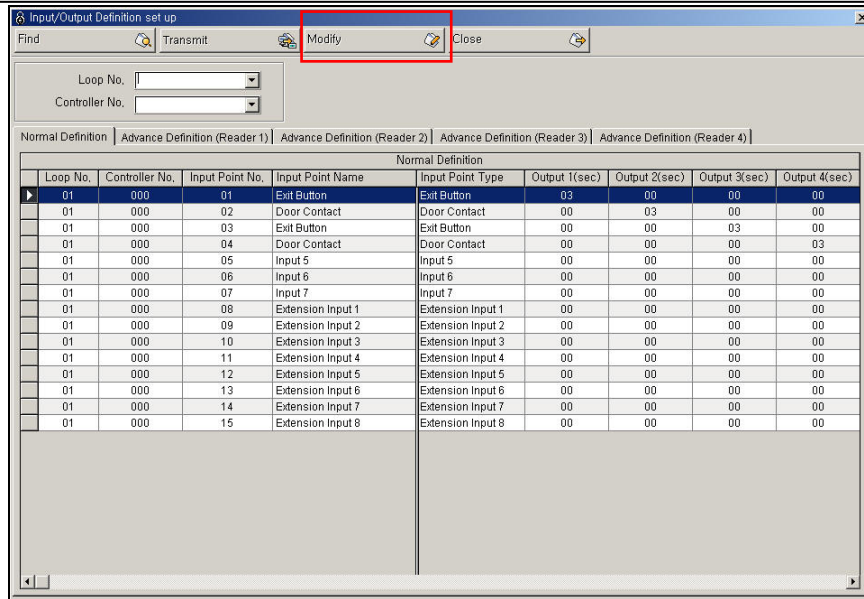
- 1) Select Loop No. and Controller No as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available it will display the results.

If find has no specific parameters, it will display the entire information

■ Modify

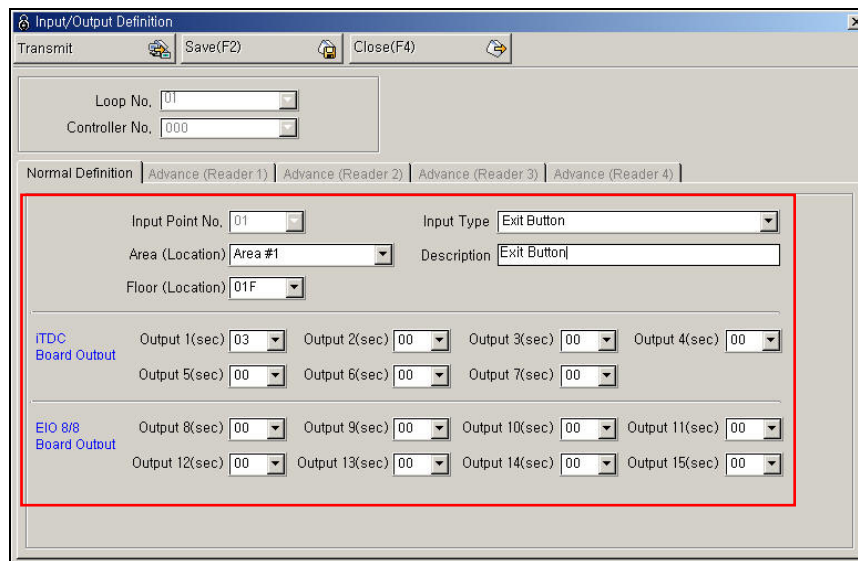
Input/Output Point is automatically setup in default value depending on door type. However, if the user modifies the Input/Output status, you can activate the Point differently.

Select the Input Point of the Controller to be modified. Selected data is highlighted.



- 1) Click Modify button.
- 2) Input Point sets which outputs of the iTDC controller will occur from receiving the input signal from the iTDC controller.

Also, when an Input Point type and corresponding Input Point occurs, the text display and specified time of signal occurrence success or failure can be setup.



- 3) Select Area and Floor Location. Selecting the location of input signal occurrence lets the user check where the event location occurred.
- 4) For Input Point name, input the letters displayed in the event window that corresponds to the input signal occurrence.
- 5) Decide which outputs will activate in Output 1-15, when an input signal occurs. The input value for the Output is setup in seconds.

00 sec for input will result in no signal for the corresponding output. Selecting from 01-99 sec will let the output activate for specified seconds.

- 6) Click Save button to save.
- 7) Click Transmit to send to iTDC controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 8) Click Close button to finish.

Normal setting defines input from other controllers which are connected to iTDC and which output is activated based on input type which means input type can be changed by user. However, some of specific setting input values are fixed as exit and door contact depends on door type. (Refer hardware manual for detail)

Advanced set-up does not accept signal from other controllers selected by user. Because advanced set up is fixed for internal input signal, specific value must be received.

Therefore, Input type or name can not be entered when user modifies advanced set up.

Modification of advanced set up allows changing output type and activation time based on input signal

In/Output Timeschedule & Signal Type

Configures Time Schedule of Input/Output Point activation. This is connected to the Time Schedule, and the user can modify the signal occurrence of Input/Output Point.

Basically, iTDC create signal for all inputs when it receives input signal. Moreover iTDC create output signal when any output signal is received.

However, input and output signal can be controlled by timeschedule. User may be able to activate input/output only based on time schedule.

This function applied for connecting sensor in case of input, for connecting door lock in case of output.

If you connect the sensor in specific input relay, it occurred event anytime, day and night detecting the situation.

This case, surplus of event cause slowing the processing, which cause that the useless information would be stored.

If you set the time schedule for input point connected sensor, like 08:00~18:00 which not works during set time. Sensor works during 18:01~07:59. Except above time, the event will not occurred, even the sensor works.

Incase of output, if you connect the door lock to certain output, depending on the output status, which keep the continuously lock or release.

But in working hours (like day time), you can set up the open the door, after working hours, dawn, automatically keep the close the door, if the registered card is presented the door once open.

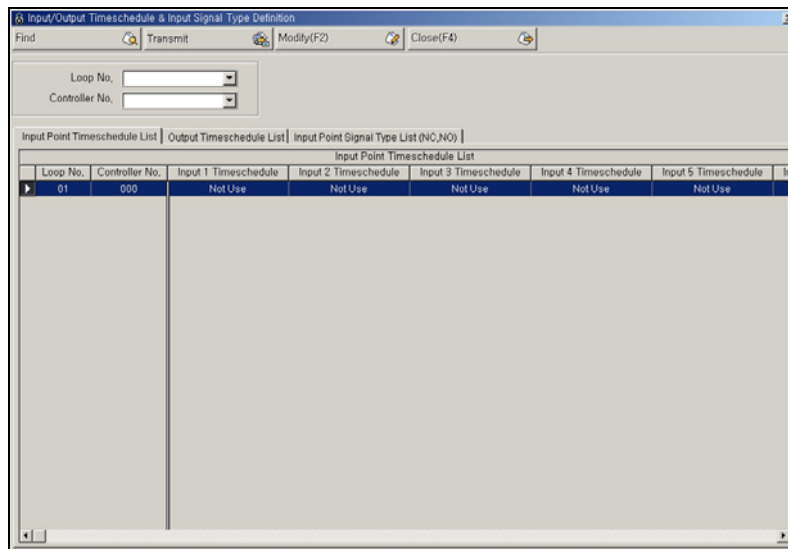
In case output, within the time schedule, keep unlock, except this time, keep the lock the door.

■ Start

Click Set up->Input/Output Definition List or press shortcut key Ctrl+E.

■ Find

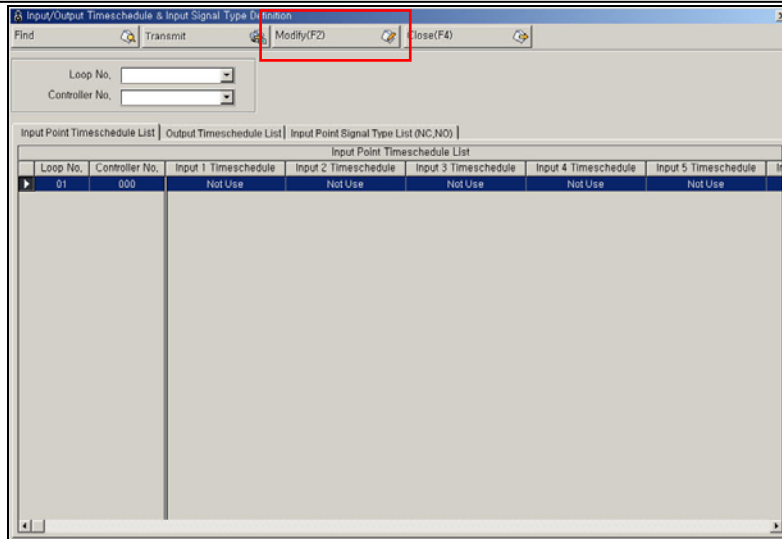
Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



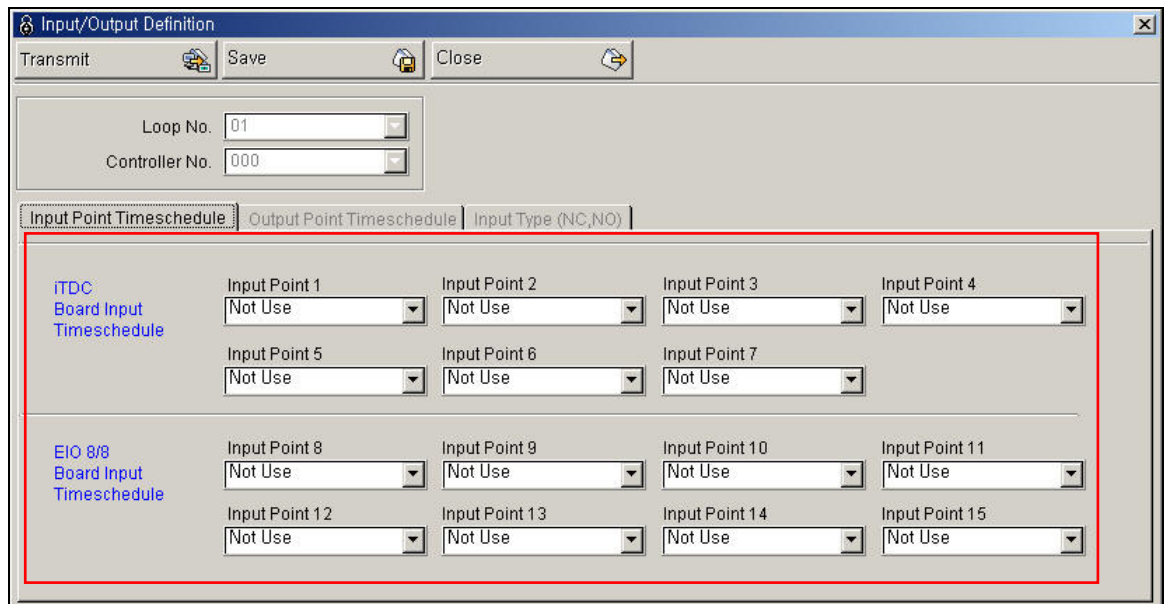
- 1) Select Loop No. and Controller No. as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available it will display the results.

■ Modify

Select the Input Point of the Controller to be modified. Selected data is highlighted.



- 1) Click Modify button.



- 2) Clicking the combo box of corresponding Input Point will display the contents setup in Time Schedule. Select the time schedule to apply.

Default value for Time schedule content means it will not be applied. However, when an input occurs the signal is taken care of at that moment with a resulting event occur.

- 3) Click Save button to save.
- 4) Click Transmit button to send to ITDC controller.

When setup is performed for all controller, software, and related data, it is not active until transmitted to Controller. It is possible the transmit function may not work properly.

Complete all initial setup and reboot the software, and make certain communication is established before using transmit function.

- 5) Click Close button to finish.

Output Point Time Schedule setup method and Input Point setup method is identical.

ITDC Board Input Timeschedule	Input Point 1	Input Point 2	Input Point 3	Input Point 4
	Not Use	Not Use	Not Use	Not Use
	Not Use	Not Use	Not Use	

EIO 8/8 Board Input Timeschedule	Input Point 8	Input Point 9	Input Point 10	Input Point 11
	Not Use	Not Use	Not Use	Not Use
	Not Use	Not Use	Not Use	Not Use

Clicking the Combo Box of corresponding Input Point will display the contents setup in Time Schedule. Select the time schedule to apply, then click Save and Transmit button to configure.

You can configure signal handling method of iTDC, if the Input Point Type connected input devices (Exit, Contact, Sensor, etc..) signal is NO or NC.

Clicking the Combo Box of corresponding Input Point will display the NO and NC contents. Select the value to apply then click Save and Transmit button to configure.

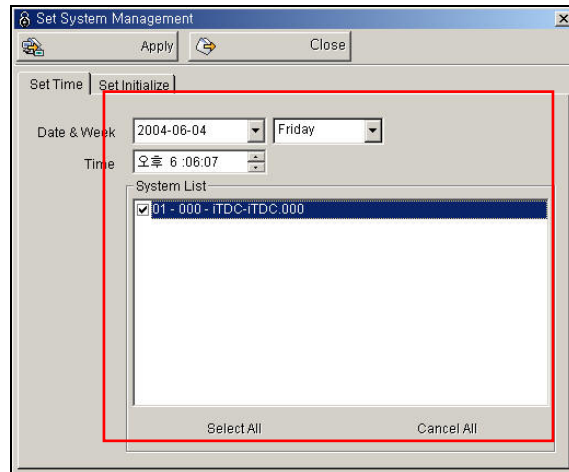
System Management (Set Date & Time)

This function resets the controller clock and date in iTDC controller. In general, initial installation of iTDC controller result in incorrect time data. Use this function to modify date and time.

■ Start

Click Set up->System Management->Set Time or press shortcut key Ctrl+G.

■ Setup



- 1) Change Date, Week, and Time value. (Displayed default value is time and date of PC based)
- 2) Select System List to define which iTDC controller to transmit to.
- 3) Click Transmit button to complete setup.

Time Adjustment Function

This function will download the time on computer once a day not to have time difference between time on computer and controller.

When many numbers of controllers are connected, the controller may not show the same time with computer and this function will adjust this kind of differences.

System Initialize

This function is used to setup default status for all stored data or specified part in iTDC controller.

System Initialize is differentiated as System Initialize, Card Data Initialize, Event Data Initialize, and Time Schedule Initialize.

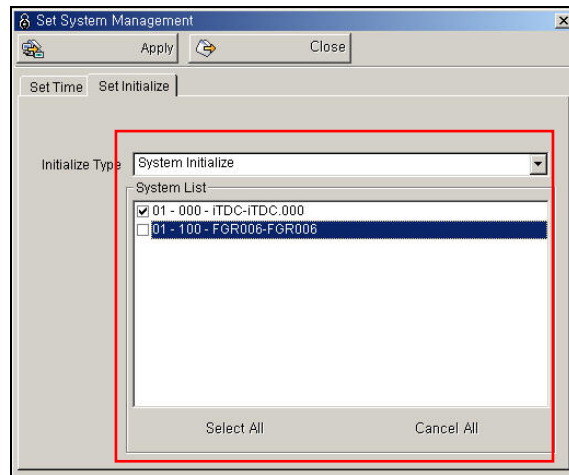
- System Initialize: Setup of all stored data in iTDC controller to default value.
- Card Data Initialize: Setup of stored card data in iTDC controller to default value.
- Event Data Initialize: Setup of stored event data in iTDC controller to default value.

- Time Schedule Initialize: Setup of stored time schedule and work holiday data in iTDC controller to default value.

- Start

Click Set Up->System Management->System Initialize or press shortcut key Ctrl+H.

- Setup



- 1) Select Initialize Type.
- 2) Select the System List to initialize.
- 3) Click Transmit button to initialize.

You must make certain Initialize Type is correct, before activating it. Also, use the function with caution, because the data is deleted in this function.

Dial-Up Connection

Dial-Up Connection uses standard phone line to connect to a remote controller for communication. External modems are required for each site at remote and host to connect by phone line.

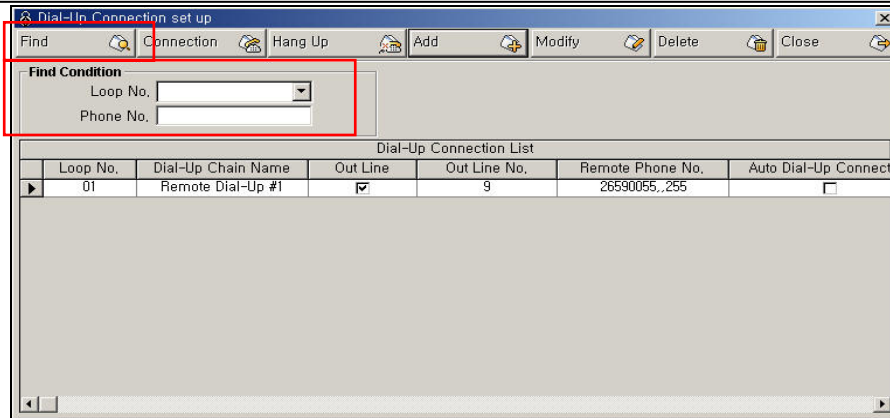
Refer to chapter 8. Dial-Up Communication for detailed information.

- Start

Click Set Up->Dial-Up Connection List or press shortcut key Ctrl+G.

- Find

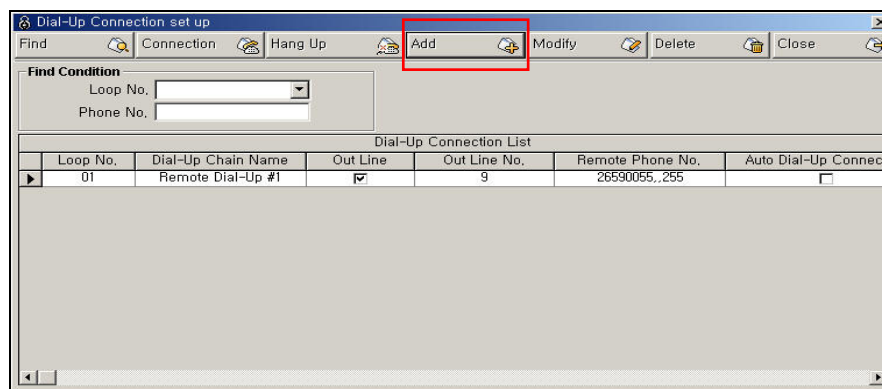
Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



- 1) Input Find Condition.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add Dial-Up Connection area data through input screen.



- 1) Click Add button, and the following screen appears.

Connection Status
 Loop No.
 Dial-Up Chain Name
 Out Line ☒ Out Line No.
 Remote Phone No.
 Auto Dial-Up Connection ☐
 Dial-Up Connection Time
 Dial-Up Hang Up Time

- 2) Select Loop No. You can only select the loop that was configured for Dial-Up.
- 3) Input Dial-Up Chain Name. Check mark Out Line if setup, and input Out Line No.
- 4) Input Remote Phone No. connected to remote modem.
- 5) Check mark Auto Dial-Up Connection if setup, and configure connection and disconnection time.

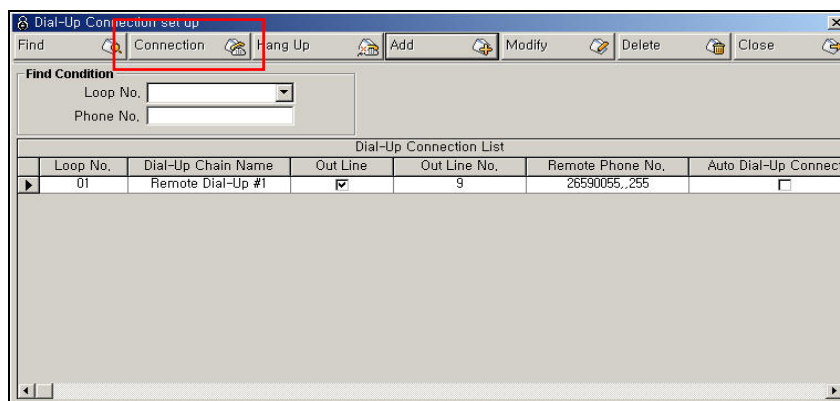
When configuring Auto Dial-Up Connection, make certain that connection and disconnection time does not overlap in multiple location setup. This will cause abnormal operation.

- 6) Click Save button to save input data.

In Dial-Up Connection, connection failure can be frequent depending on phone line and modem status. This is a special characteristic occurrence, and if 2-3 reattempts are made normal connection is established.

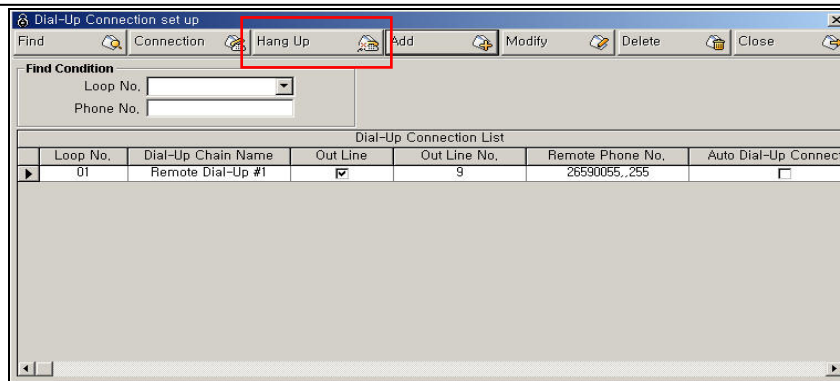
■ Connection (Dial)

Connection can be used in Dial-Up Connection List, Add, and Modify screen, but we recommend use as possible in the Dial-Up Connection List screen.



- 1) Use Find to locate connection or select from Dial categories to connect. Selected location is highlighted.
- 2) Click Dial for connection attempt.

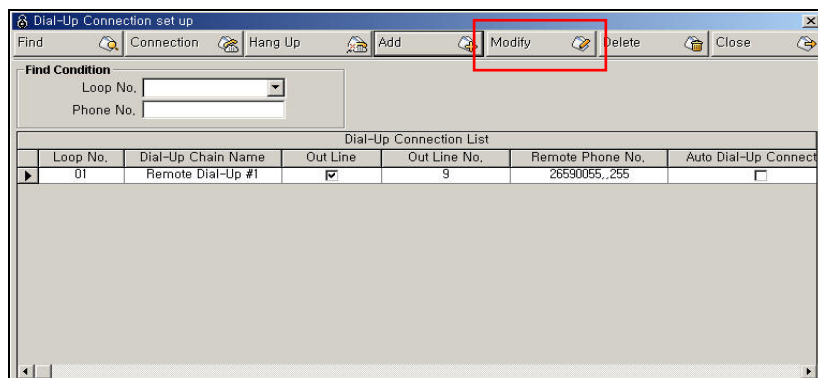
■ Hang Up



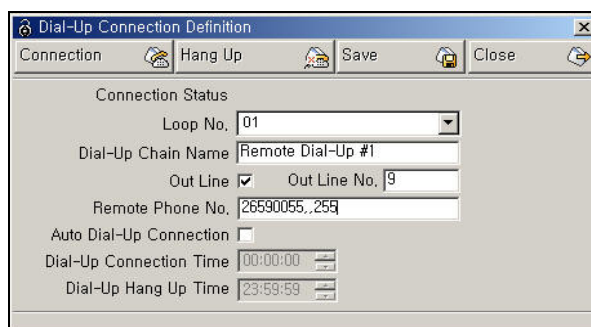
- 1) Select current established connect location.
- 2) Click Hang Up to disconnect.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content.



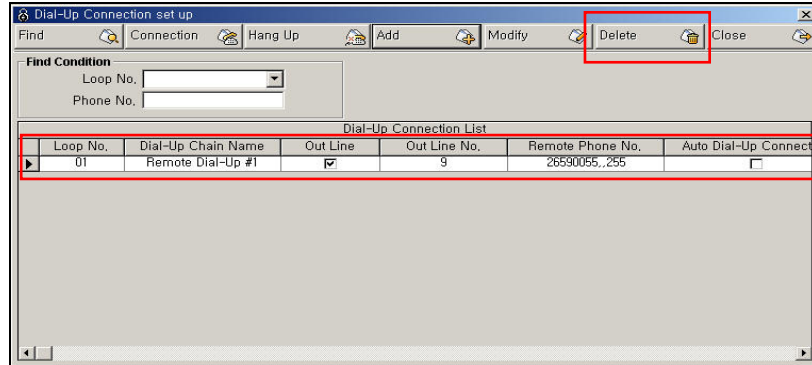
- 1) Select data to Modify, then click Modify button.



2) Click Save button after data is modified to save.

- Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.



1) Click Delete button. Click Yes button to delete or No button to cancel.

Database

Database menu contains functions for Company, Department, Title, Area Data, Map Management, User Management, Database Management, and Access Control Option. It is recommended to input as possible all data, because they are used as basis in initial input data for Access Control and Time & Attendance.

Company Definition

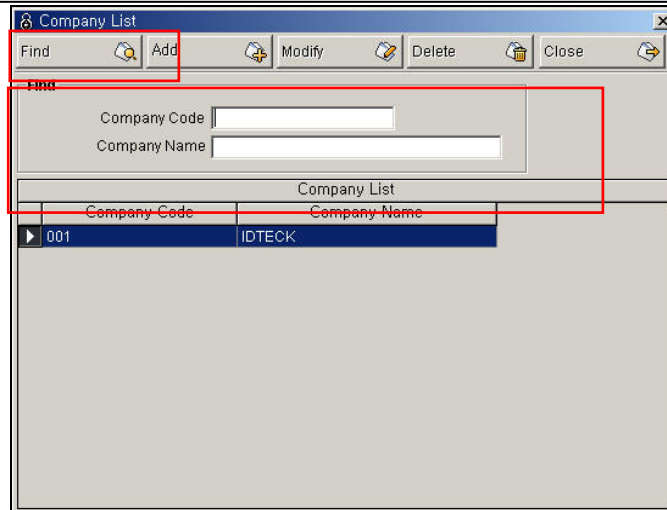
Input company name using the system.

- Start

Click Database->Company List or press shortcut key Ctrl+L.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

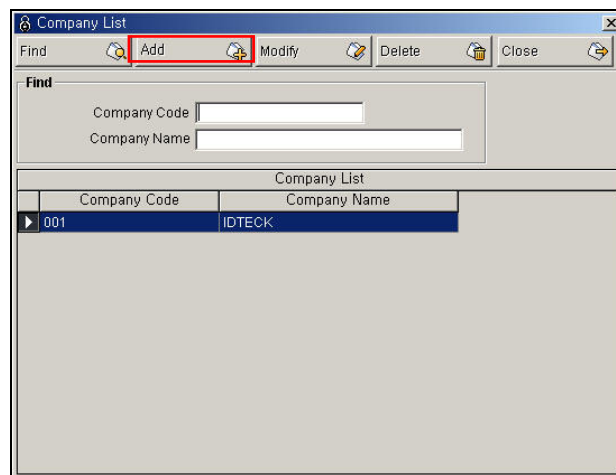


- 1) Input Company Code and Company Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

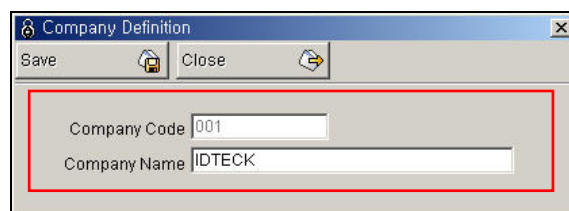
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add button to add Dial-Up Connection area data through input screen.



- 1) Click Add button, and the following screen appears.

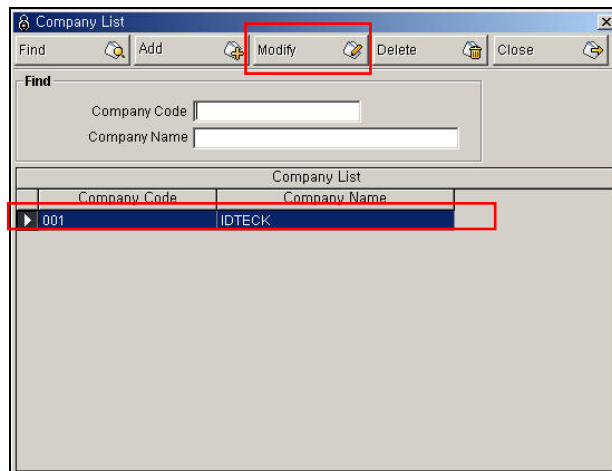


- 2) Input Company Code. If using a registered code, it will not register and a code being used message is displayed. Do not overlap the Company Code in use.
- 3) Input Company Name.
- 4) Click Save button to save and click Close button to finish.

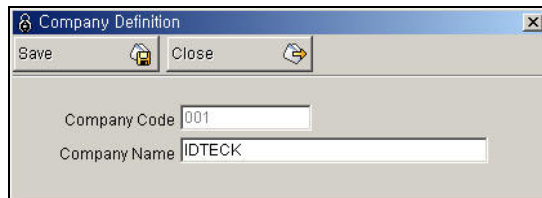
■ **Modify**

Modify is used to change existing data inputted. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify button and the following screen appears. This screen is identical to register screen. Company Code cannot be modified in this mode.

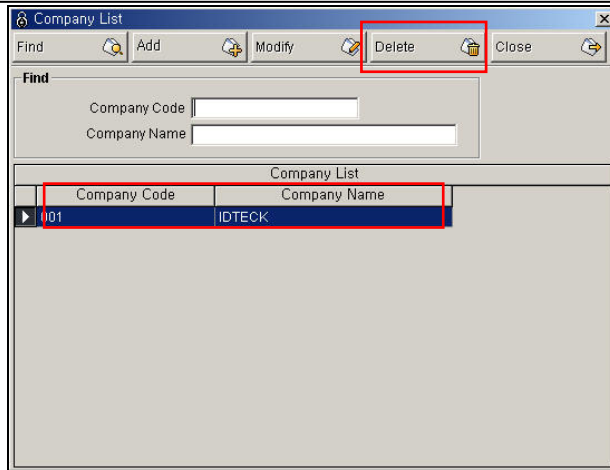


- 2) Modify data.
- 3) Click Save button to save data then click Close button to finish.

■ **Delete**

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Department, Title, and Access Type can be setup as identical process in Company registration. Detailed instruction is omitted.

Area/Floor Definition

Area/Floor configuration is used for default data creation to distinguish access door, reader, and sensors by installed locations. Multiple buildings can be designated by area, and the floors correlating to the area can be distinguished.

- Start

Click Database->Area/Floor definition or press Ctrl+P on keyboard.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

Access Control Area List

Find Add Modify Delete Close

Find

Area Code

Area Name

Area List		Floor List	
Area Code	Area Name	Area	Floor
0001	Area #1	Area #1	01F

- 1) Input or select Find condition.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add to input data of area and floor through the input screen.

Access Control Area List

Find Add Modify Delete Close

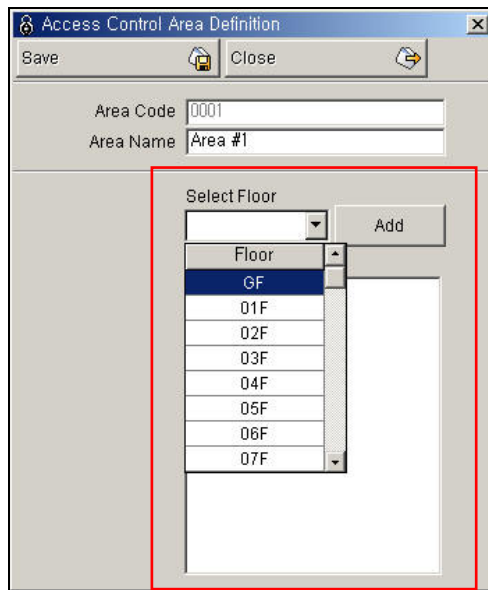
Find

Area Code

Area Name

Area List		Floor List	
Area Code	Area Name	Area	Floor
0001	Area #1	Area #1	01F

- 1) Click Add and the screen below appear.



- 2) Input area code. If already registered code is used, it will not register, but only a fresh area code. Do not overlap Area Code.
- 3) Input area name.

Select floor then click Add button. It will show up in Floor List window. Repeat this procedure to add additional floors.
- 4) If all the floors are added to the area, click Save button to save.
- 5) Click Close to finish.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted blue bar. Selecting the Area will display the corresponding floors on the right hand side content.

- 1) Click Modify button and the following screen appears. This screen is identical to register screen. Area Code cannot be modified in this mode.

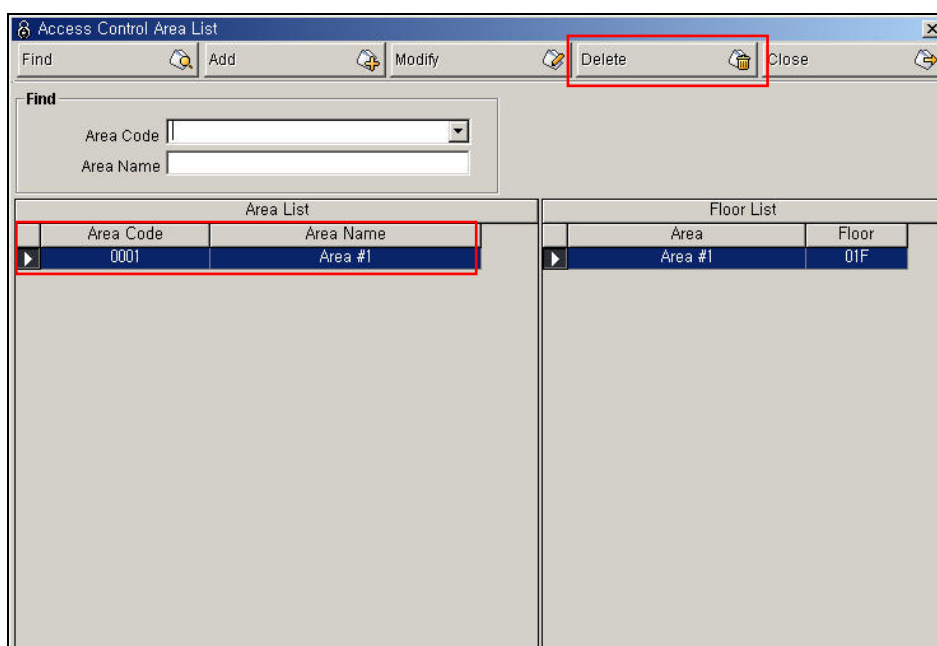
- 2) Modify Area Name and data by Delete or Add function.
- 3) Click Save button to save data, then click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.

Deleting the Area data will also delete the corresponding floor data.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Map Definition

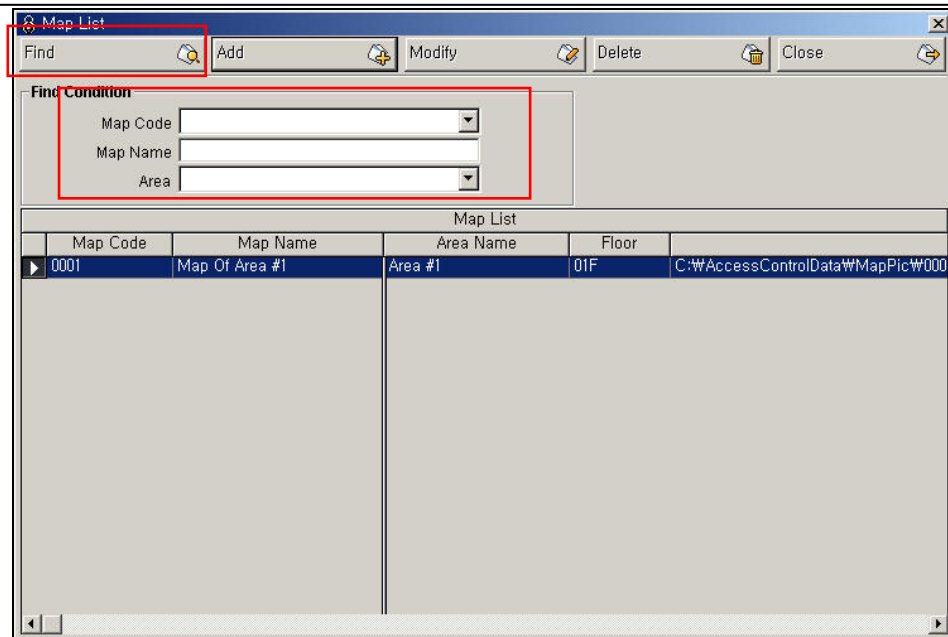
This sets the map of each floor using the area/floor as basis. Door and sensor location can be designated on the map. This lets the user see which location the event occurred by the setup of the map to be displayed automatically, when the event occurs at the time.

- Start

Click Database->Map Definition or press shortcut key Ctrl+R.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

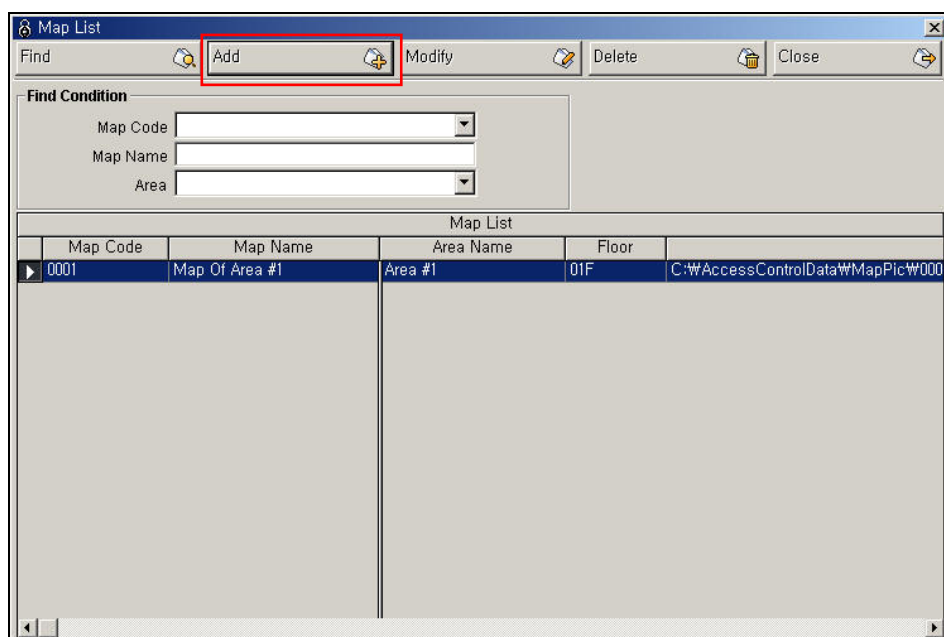


- 1) Input or select Find condition.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

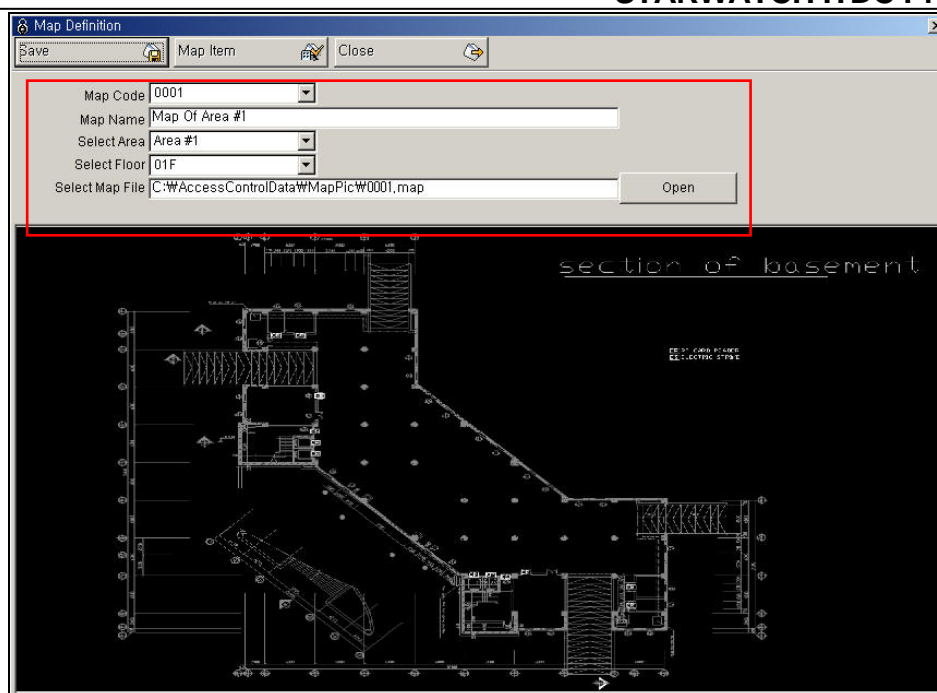
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add to input data of new map through the input screen.



- 1) Click Add and the screen below appear.

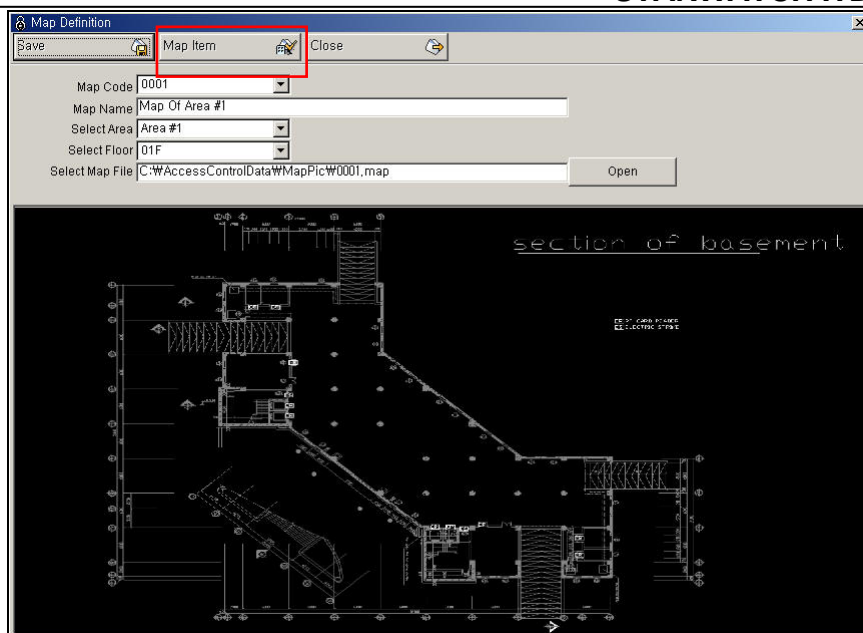


- 2) Input Map Code and Map Name.
- 3) Select Area and Floor for the location to be implemented.
- 4) Select Map File. User can select file as bmp, jpg, wmf and can check the image file as shown above before applying.
- 5) Click Save button to save data.

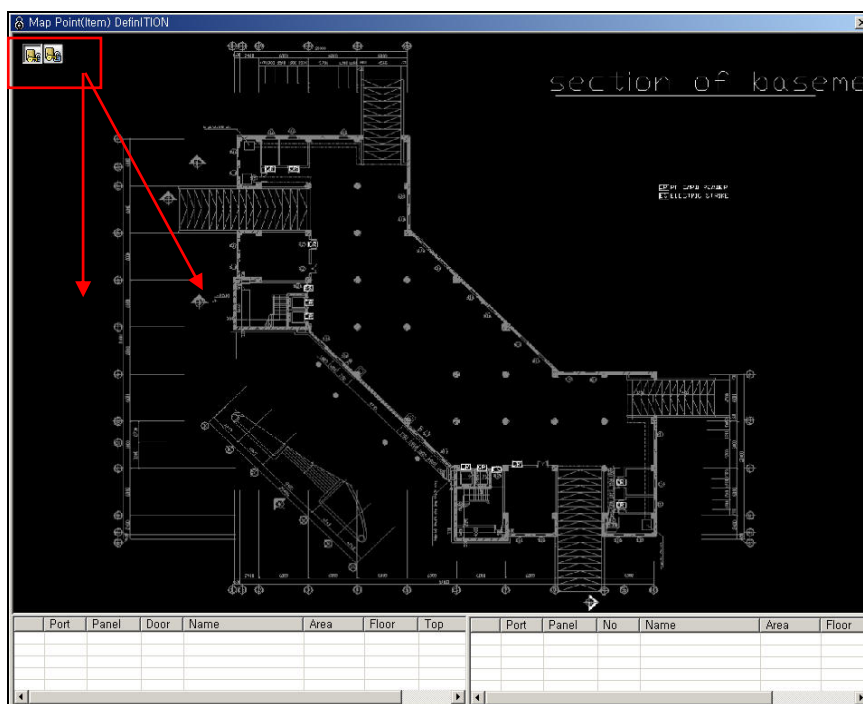
■ Map Item Setup

This function configures access door and sensor for the setup area/floor location. This sets the sensor and access door location to be displayed on the real map to check status of sensor.

- 1) Click Map Item button.



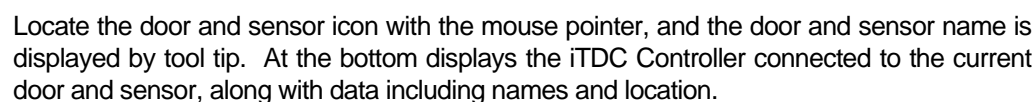
2) The following screen displays.



The display of map setup is identical to real map in size. Also, as shown above, the current map's corresponding access door and sensor is displayed as an icon.

The door and sensor icon of corresponding map area data is automatically displayed. For a door, the setup of Reader/Door data during registration is inputted. It uses this data as basis to display the icons automatically on the corresponding map.

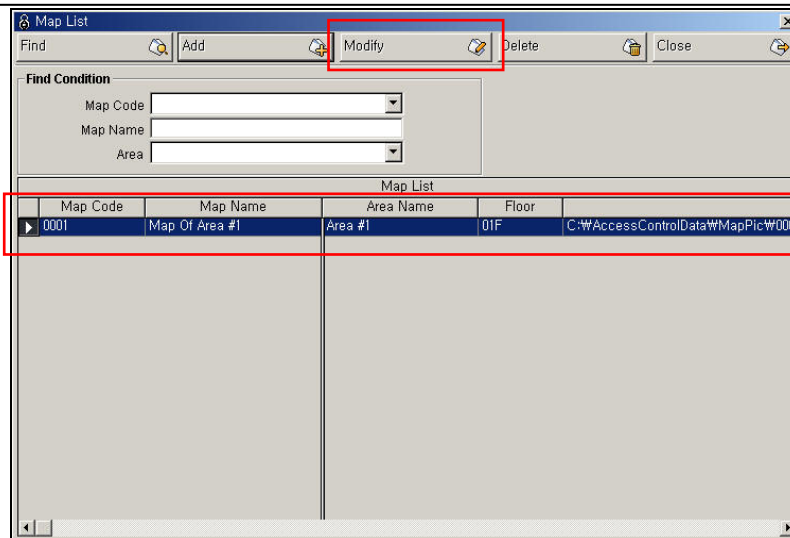
Sensor uses identical method to display the icons automatically, by setup of the In/Output Point setup.



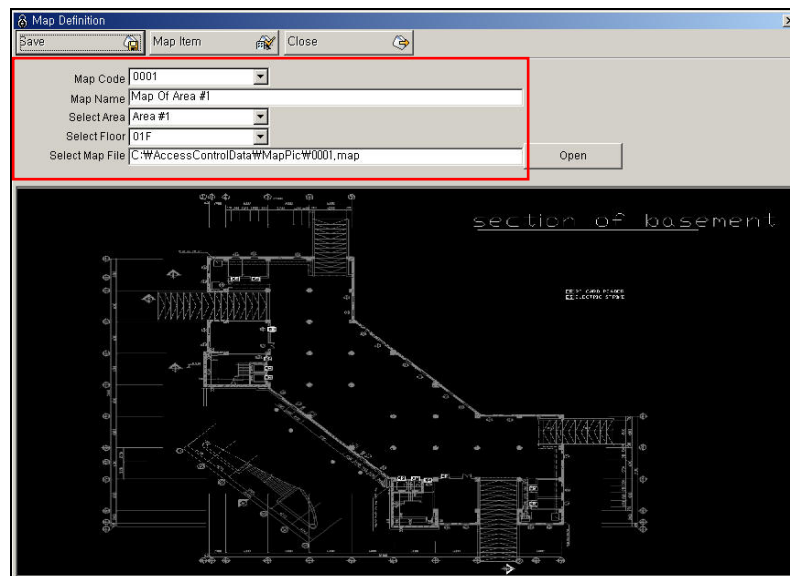
- 4) If location is completed, then click (X) on the right hand corner.
- 5) If location was changed, it will display the following message. Click Yes button to save.

Modify is used to change existing data inputted. Find data to modify or to change registered content.





- 1) Click Modify button and the following screen appears. This screen is identical to register screen. Map Code cannot be modified in this mode.

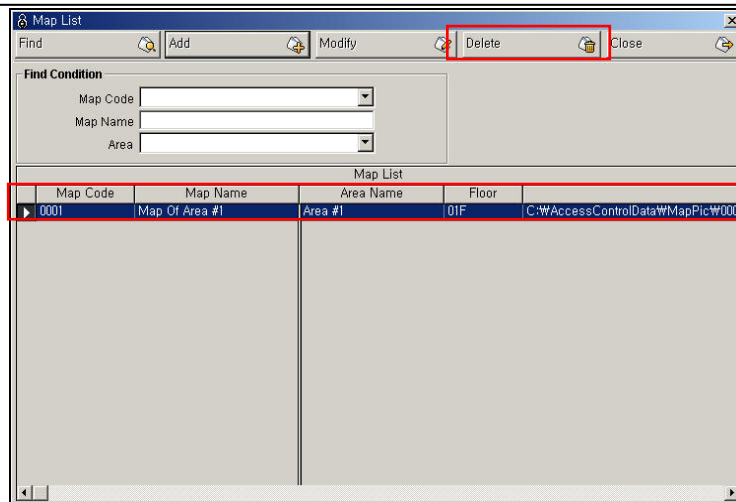


- 2) Modify Data.
- 3) Click Save button to save.
- 4) Click Map Item button to setup location. Once completed, click Close button to finish.
- 5) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

User Definition

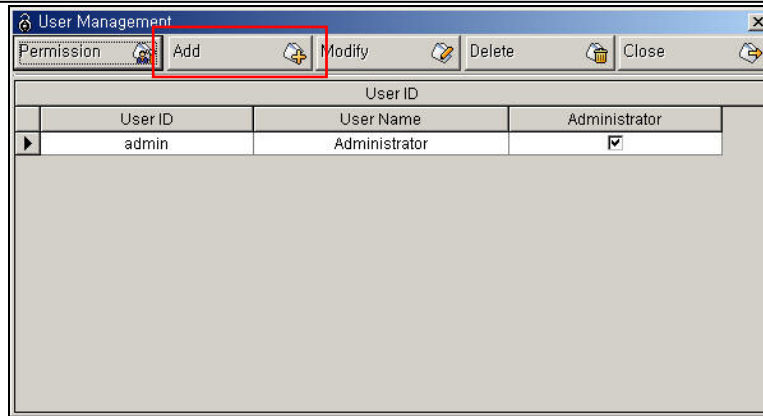
This function registers the user to operate software. For default value (admin) is registered in the software, and you can register additional user or change authority of existing user.

- Start

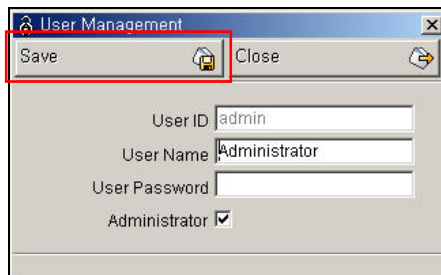
Click Database->User Management or press shortcut key Ctrl+S.

- Add

Add is used to create fresh data. Click Add button to add new user through input screen.



- 1) Click Add button and the following screen appears.



- 2) Input User ID. User ID cannot be overlapped.
- 3) Input User Name and User Password.
- 4) Check mark Administrator option or not.

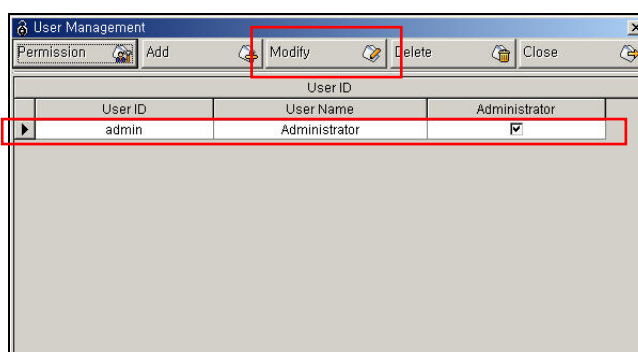
Administrator option gives authority to Add, Modify, and Delete user. Only the User who has this authority can perform these functions. User with no authority can use allowed functions, but not the above functions.

- 5) Click Save button to save then Close to finish.

■ Modify

Modify is used to change existing data inputted. Select data to Modify.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the above screen. The Modify screen is equal to registration screen. User ID cannot be changed.

- 2) Modify data to change.
- 3) Click Save button to save data.
- 4) Click Close button to finish.

■ Delete

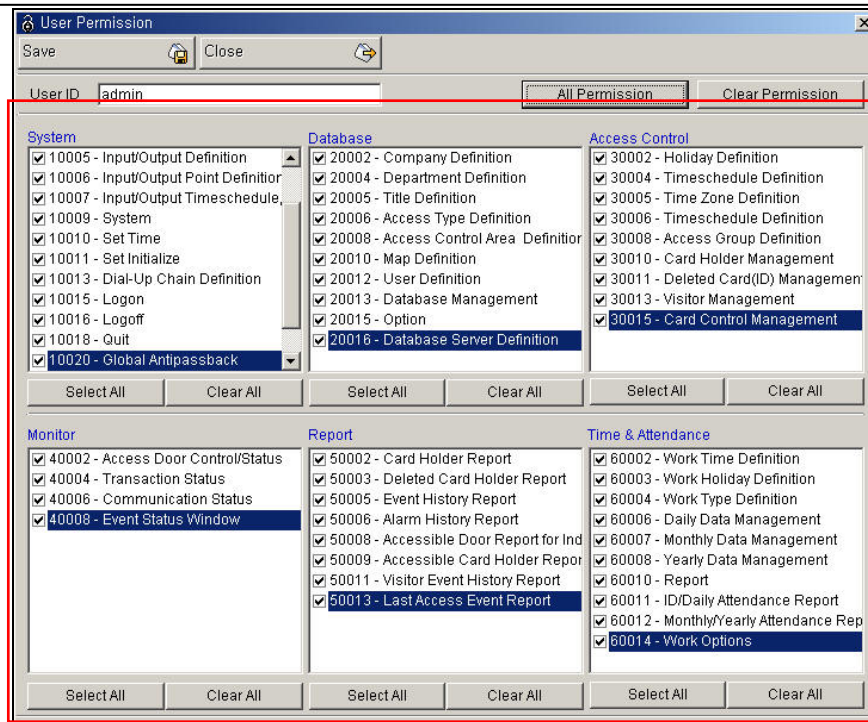
Delete is used to delete existing inputted data. Find data to delete or to delete registered content data. Selected data is displayed as below figure in highlighted blue bar.

User ID	User Name	Administrator
admin	Administrator	<input checked="" type="checkbox"/>

- 1) Click Delete button. Click Yes button to delete or No button to cancel.

■ Authority Setup

This function sets the authority of use for each function type. User can only use functions with authority designation, and this function can setup entire function or parts of it.



Authority Setup is categorized in menu type as shown above. User can setup use authority under each sub menu category under main category.

- 1) For use authority, check mark the item and if canceling use authority, uncheck mark item.
 - ✓ All Authority Grant: Setup all authority at once.
 - ✓ All Authority Cancel: Setup all authority as cancelled.
 - ✓ Total Select: Setup use authority of corresponding menu at once.
 - ✓ Total Cancel: Cancel use authority of corresponding menu at once.
- 2) Once completed, click Save button to save.
- 3) Click Close button to finish.

Option

Option lets the user activate additional functions on user setup. User can designate event type database store and display of data, and setup a separate sound file for playing out the sound during an event occurrence.

Also, when the event occurs, the setup of designated email recipient will send out the event occur status automatically.

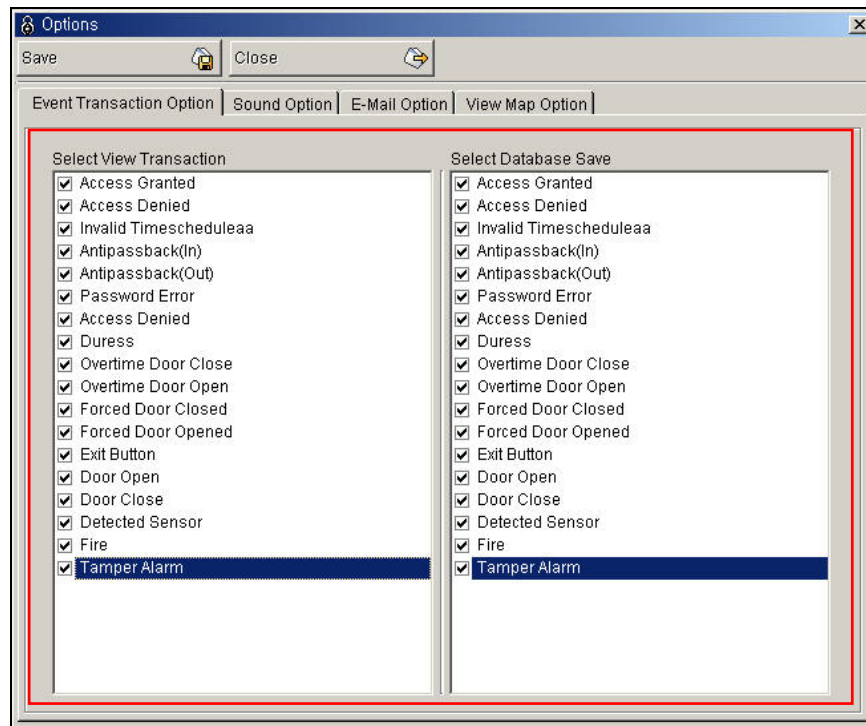
Also, sets the option of map display when some event occurs with connection to the map display.

■ Start

Click Database->Option or press shortcut key Ctrl+U.

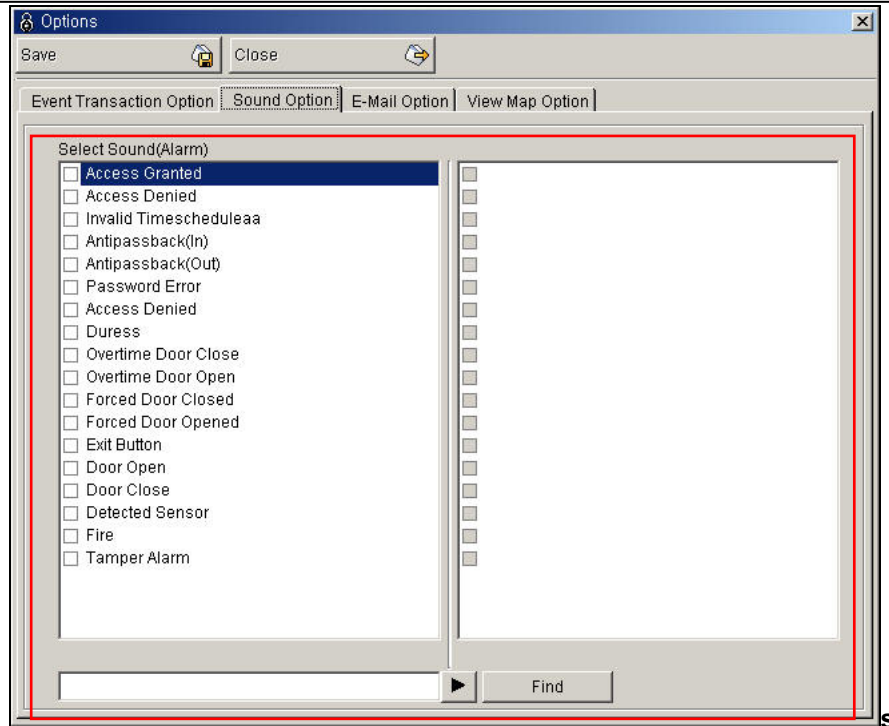
■ Event Status Handling Option

This sets the whether or not to save Event Type database and to display event in Event Status screen.



- 1) Check marks the items for event occur display on monitor. If display is not necessary, cancel check mark.
 - 2) Check mark the items for event occur database save. If save is not necessary, cancel the check mark.
 - 3) Click Save button to save then click Close button to finish.
 - 4) Click Close button to finish.
- Event Handling – Sound Option

This designates sound file by event type. Once implemented, when an event occurs the setup sound file plays through a speaker with sound card in PC alerting the event status.



- 1) Check mark the items for sound play during an event occurrence. If sound play is not necessary, cancel check mark.
- 2) Click Search button on bottom to find sound file. Selecting the file displays in Select Sound (Alarm) window. Right hand side window displays the matched sound file.

Sound file can only be selected as wav. File. To play the sound, a PC with sound card and speaker is required.

- 3) Click Save button to save.
- 4) Click Close button to finish.

■ Event Handling – Email Transmit

This function sends out email up to 3 recipients when a specific event occurs that was setup. Email contains date of event, time, event location, and type of event as data.

To use this option, the operating PC must be connected to a network.

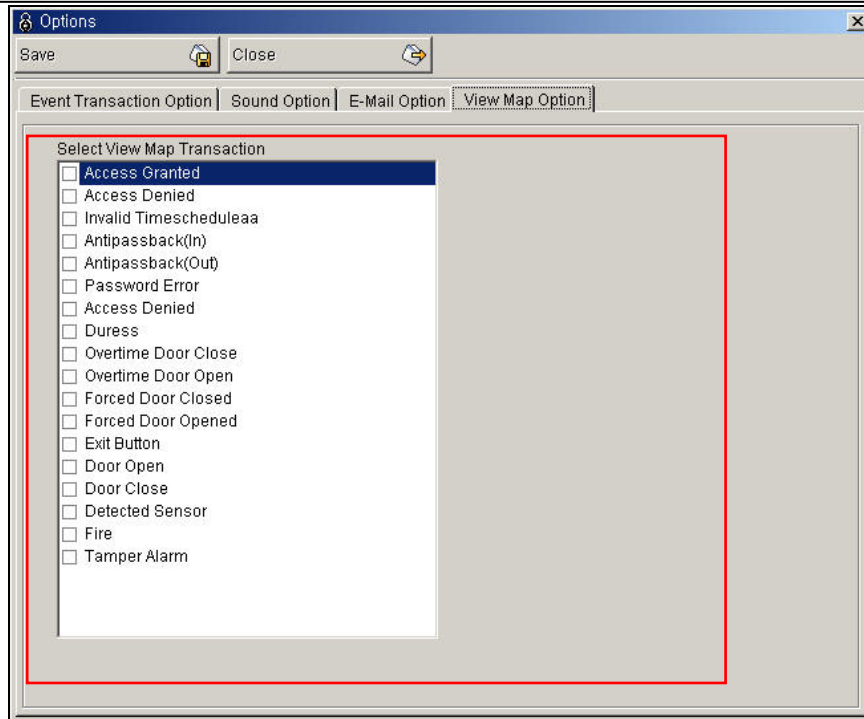
This can be used with onsite mail server at company, and requires POP3 support to use this option. If POP3 is not supported, it will not work.

The screenshot shows the 'Options' window with the 'E-Mail Option' tab selected. The window has a title bar with 'Options' and standard window controls. Below the title bar are 'Save' and 'Close' buttons. The main area is divided into two sections. The left section, titled 'Select Send Mail Transaction(Alarm)', contains a list of events with checkboxes: Access Granted (checked), Access Denied, Invalid Timescheduleaa, Antipassback(In), Antipassback(Out), Password Error, Access Denied, Duress, Overtime Door Close, Overtime Door Open, Forced Door Closed, Forced Door Opened, Exit Button, Door Open, Door Close, Detected Sensor, Fire, and Tamper Alarm. The right section contains an 'Input Mail Server (SMTP) Address' field, followed by three 'E-Mail' sections (E-Mail #1, E-Mail #2, E-Mail #3). Each E-Mail section has 'Name' and 'E-Mail Address' input fields.

- 1) Check marks the items for mail transaction during an event occurrence. If transaction is not necessary, cancel check mark.
- 2) Input Mail Server (SMTP) address.
- 3) Input Name and Email Address of up to 3 recipients.
- 4) Click Save button to save.
- 5) Click Close button to finish.

■ Event Handling – View Map

If a map is setup, it will automatically display when a specified event occurs. Here the event type map display presence is setup. View Map Option needs to be setup to display map automatically.



- 1) Check mark the items for map display during an event occurrence. If map display is not necessary, cancel check mark.
- 2) Click Save button to save.
- 3) Click Close button to finish.

Access Control

Access Control Management contains functions required for User Management. Details regarding access are setup and user registered. Setup data is transmitted to iTDC.

Holiday Definition

This function connects to Time Schedule to apply. Time Schedule can be setup from Mon-Sun with designated time for each day.

For this function, the holiday data needs to be initially setup. Holiday Definition is to apply holiday to Time Schedule and transmit to iTDC controller to setup.

■ Start

Click Access Control Management->Holiday Definition or press shortcut key F2.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

Holiday List

Find Transmit Add Modify Delete Close

Find Condition

Holiday Code

Holiday Name

Holiday List	
Holiday Code.	Holiday Name
00	Not Use

- 1) Input Holiday Code and Holiday Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add holiday through input screen.

Holiday List

Find Transmit Add Modify Delete Close

Find Condition

Holiday Code

Holiday Name

Holiday List	
Holiday Code.	Holiday Name
00	Not Use

- 1) The following screen appears after clicking Add.

Holiday Definition

Transmit Save Close

Holiday Code: 01
 Holiday Name: Holiday #1

Holiday Date Name: New Year

Select Holiday Date

2005년 1월

일	월	화	수	목	금	토
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

오늘: 2004-06-04

Selected Holiday Date

Holiday Date	Holiday Name
01-01	New Year

- 2) Select Holiday Code. (Holiday Code can be used from 01-10 giving 10 codes for use)
- 3) Input Holiday Name to be saved.
- 4) Select the corresponding date, and double click the date on the calendar or click >> button.
- 5) If an exception is needed on a selected Holiday, select the corresponding date and double click or click << button.

Holiday Definition

Transmit Save Close

Holiday Code: 01
 Holiday Name: Holiday #1

Holiday Date Name: New Year

Select Holiday Date

2005년 1월

일	월	화	수	목	금	토
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

오늘: 2004-06-04

Selected Holiday Date

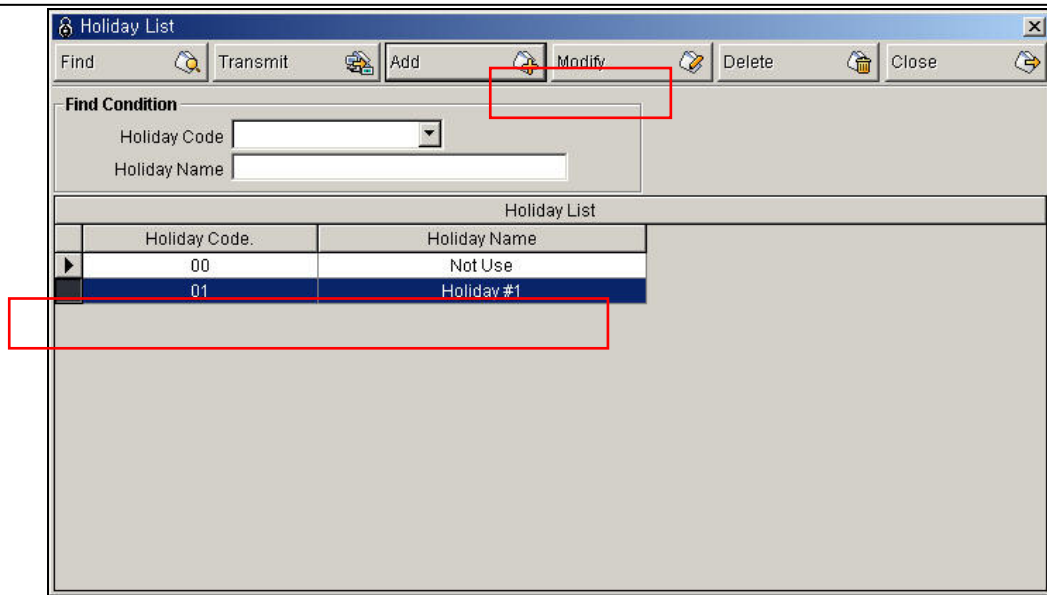
Holiday Date	Holiday Name
01-01	New Year

- 6) Click Save button to save data, and click Close button to finish.

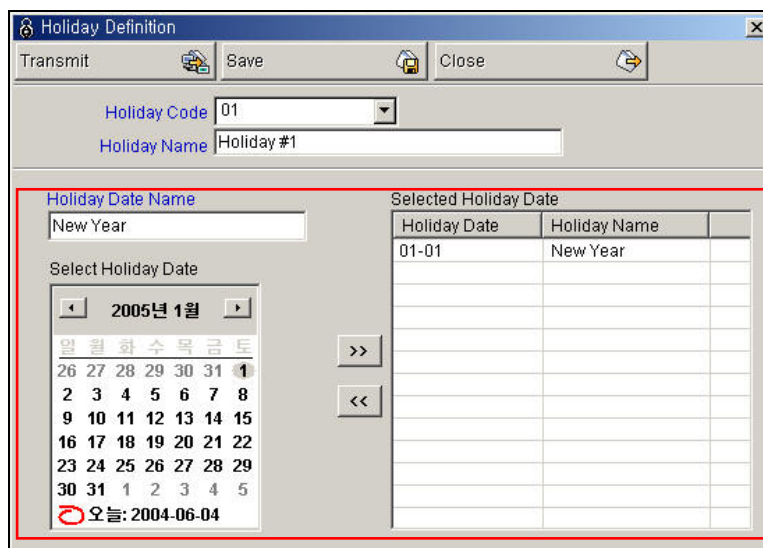
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered category.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the following screen. The Modify screen is equal to registration screen. Holiday Code cannot be changed.

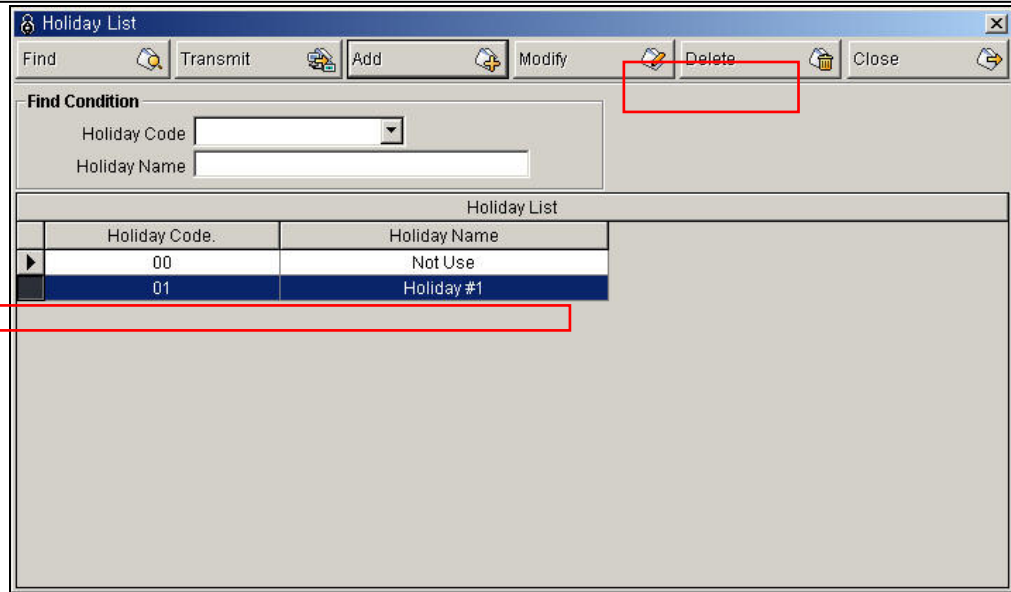


- 2) Modify the items to be changed.
- 3) Click Save button to save data, and click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted blue bar.

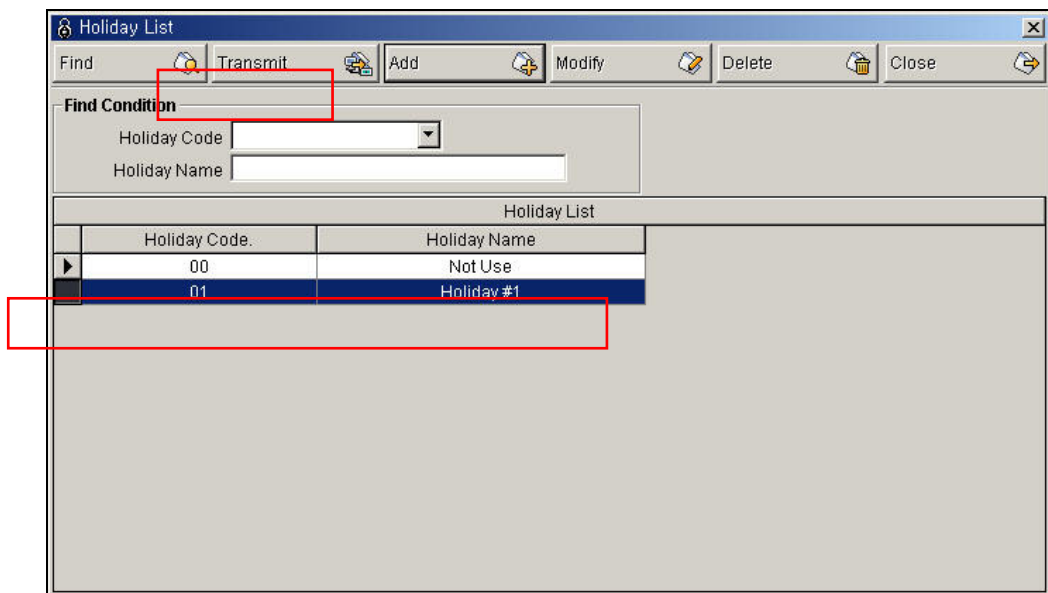


1) Click Delete button. Click Yes button to delete or No button to cancel.

■ Transmit

This function is used to send the setup functions to the iTDC controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted blue bar.



1) Click Transmit button. This will send the selected data to the corresponding Controller No for application.

During transmit, if errors do not occur, there are no messages. This means the transmit was completed without disruption. If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and iTDC Controller for problems.

Time Zone Definition

This function sets the access time as 24 hours or divided into 5 time sections within 24 hours. These data is setup in Time Schedule as per day.

■ Start

Click Access Control Management->Time Schedule->Time Code List or press shortcut key F3.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

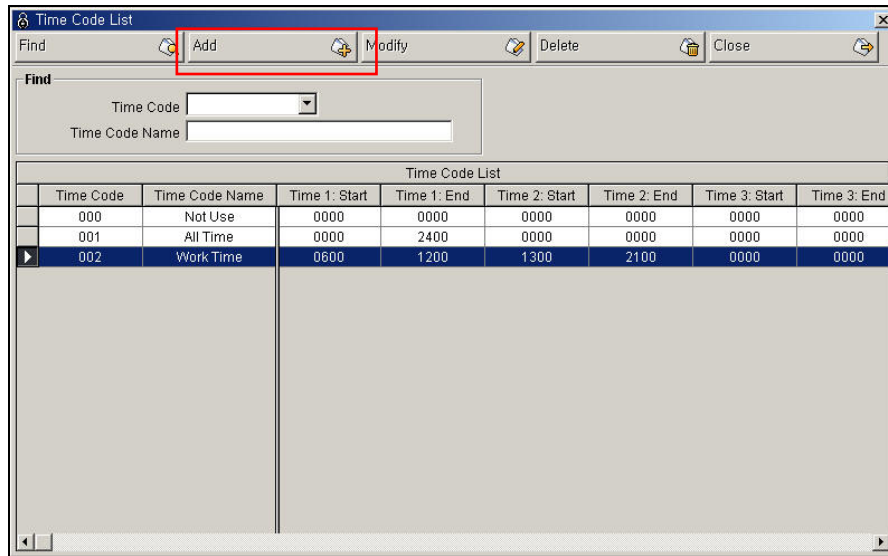
The screenshot shows the 'Time Code List' window. At the top, there is a toolbar with buttons: Find, Add, Modify, Delete, and Close. The 'Find' button is highlighted with a red box. Below the toolbar, there is a 'Find' section with two input fields: 'Time Code' (a dropdown menu) and 'Time Code Name' (a text box), both highlighted with a red box. Below these fields is a table titled 'Time Code List'.

	Time Code	Time Code Name	Time 1: Start	Time 1: End	Time 2: Start	Time 2: End	Time 3: Start	Time 3: End
	000	Not Use	0000	0000	0000	0000	0000	0000
	001	All Time	0000	2400	0000	0000	0000	0000
▶	002	Work Time	0600	1200	1300	2100	0000	0000

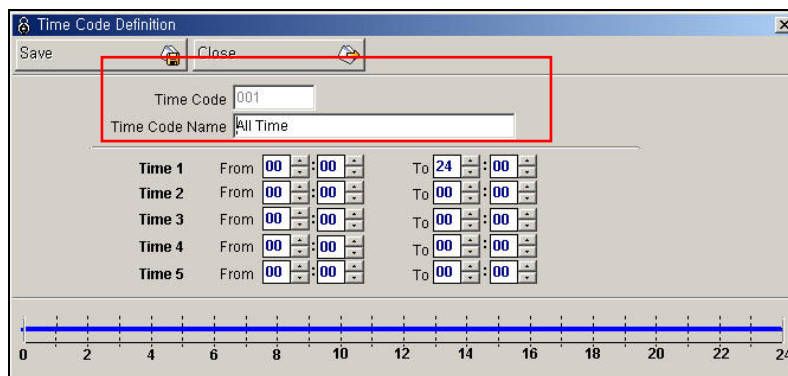
- 1) Input Time Code and Time Code Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add work holiday through input screen.

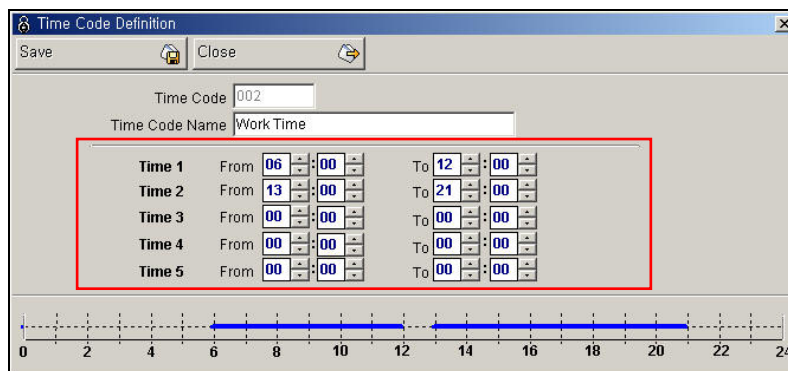


- 1) The following screen appears after clicking Add.



- 2) Input Time Code.
- 3) Input Time Code Name.
- 4) Setup the time From/To for Time 1, Time 2, Time 3, Time 4, Time 5.

For example, the screen below shows (Access granted 09:00-12:00 Sunday, 12:01-13:00 no access, 13:01-18:00 access granted)



- 5) Click Save button to save and Close button to finish.

The section of time schedule is set up within 24 hours of a day.

Namely, if you intend to set up for 24 hours without division of 24 hours of a day, you have to input 0000-2400 in 1st section. The rest section is set up as 0000-0000 automatically.

If you want to divide and use 24 hours of a day, it is possible to divide as maximum 5 sections. To divide hours is mainly used to control of access time and/or to work together with time schedule of input/output.

Namely if you admit to access door at AM and don't admit at PM, it is applied in this case. The division of time is needed, in case of application of Lock or Unlock of access door.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted blue bar.

Time Code List							
Time Code	Time Code Name	Time 1: Start	Time 1: End	Time 2: Start	Time 2: End	Time 3: Start	Time 3: End
000	Not Use	0000	0000	0000	0000	0000	0000
001	All Time	0000	2400	0000	0000	0000	0000
002	Work Time	0600	1200	1300	2100	0000	0000

- 1) Click Modify to see the following screen. The Time Code List screen is equal to registration screen. Time Code cannot be changed.

Time Code Definition

Save Close

Time Code 002

Time Code Name Work Time

Time	From	To
Time 1	06:00	12:00
Time 2	13:00	21:00
Time 3	00:00	00:00
Time 4	00:00	00:00
Time 5	00:00	00:00

Timeline: 0 2 4 6 8 10 12 14 16 18 20 22 24

- 2) Modify the items to change.
- 3) Click Save button to save data, and click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted blue bar.

Time Code List

Find Add Modify Delete Close

Find

Time Code

Time Code Name

Time Code	Time Code Name	Time 1: Start	Time 1: End	Time 2: Start	Time 2: End	Time 3: Start	Time 3: End
000	Not Use	0000	0000	0000	0000	0000	0000
001	All Time	0000	2400	0000	0000	0000	0000
002	Work Time	0600	1200	1300	2100	0000	0000

- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Timeschedule Definition

This function uses Time Zone data to setup time schedule for each day. It is applied to the user to control access time, and is connected to the In/Output Point time schedule.

Time Schedule can create up to 15 codes, and time schedule within the codes are sent to the iTDC for activation. Setup the time schedule needed.

■ Start

Click Access Control Management->Time Schedule List or press shortcut key F4.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

T/S Code	T/S Name	Holiday	SUN	MON	TUE	WED	THU
00	Not Use	Not Use	Not Use	Not Use	Not Use	Not Use	Not Use
01	All Time	Not Use	All Time	All Time	All Time	All Time	All Time

- 1) Input Timeschedule Code and Timeschedule Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add Timeschedule through input screen.

T/S Code	T/S Name	Holiday	SUN	MON	TUE	WED	THU
00	Not Use	Not Use	Not Use	Not Use	Not Use	Not Use	Not Use
01	All Time	Not Use	All Time	All Time	All Time	All Time	All Time

- 1) The following screen appears after clicking Add.

Timeschedule Definition

Transmit Save Close

Timeschedule Code: 01

Timeschedule Name: All Time

Sunday: All Time Monday: All Time Tuesday: All Time Wednesday: All Time

Thursday: All Time Friday: All Time Saturday: All Time

Holiday: All Time Holiday Code: Not Use

Timeline (0 to 24 hours):

- Holiday: (empty)
- Sunday: (empty)
- Monday: (empty)
- Tuesday: (empty)
- Wednesday: (empty)
- Thursday: (empty)
- Friday: (empty)
- Saturday: (empty)

- 2) Select Timeschedule Code. It will display only the registered codes. Use one of the 15 codes.
- 3) Input Timeschedule Name
- 4) Select Timeschedule Code to apply to each day.
- 5) Select Holiday Code to apply holiday, and if not used select Not Use. If Holiday Code was selected, Timeschedule Code for holiday needs to be selected.

Selecting the Timeschedule Code will display at the bottom screen location, current selected time range in hour format.

Timeschedule Definition

Transmit Save Close

Timeschedule Code: 02

Timeschedule Name: Work Time

Sunday: Not Use Monday: Work Time Tuesday: Work Time Wednesday: Work Time

Thursday: Work Time Friday: Work Time Saturday: Not Use

Holiday: Not Use Holiday Code: Not Use

Timeline (0 to 24 hours):

- Holiday: (empty)
- Sunday: (empty)
- Monday: 6:00 - 12:00
- Tuesday: 6:00 - 12:00
- Wednesday: 6:00 - 12:00
- Thursday: 6:00 - 12:00
- Friday: 6:00 - 12:00
- Saturday: (empty)

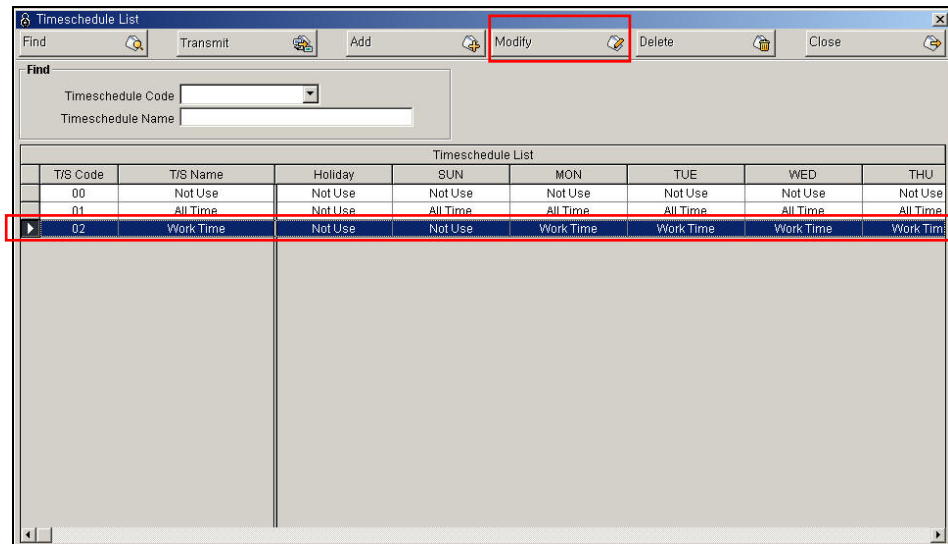
- 6) Click Save button to save.
- 7) Click Transmit button. This will send the selected data to the corresponding Controller No for application.

8) Click Close button to finish.

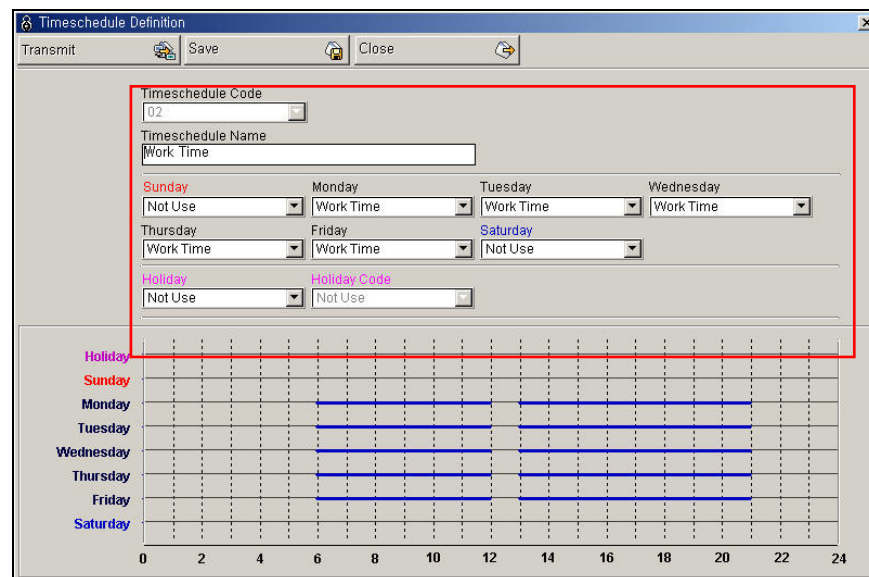
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted blue bar.



1) Click Modify to see the following screen. The Timeschedule List screen is equal to registration screen. Timeschedule Code cannot be changed.



2) Modify the items to be changed.

3) Click Save button to save data.

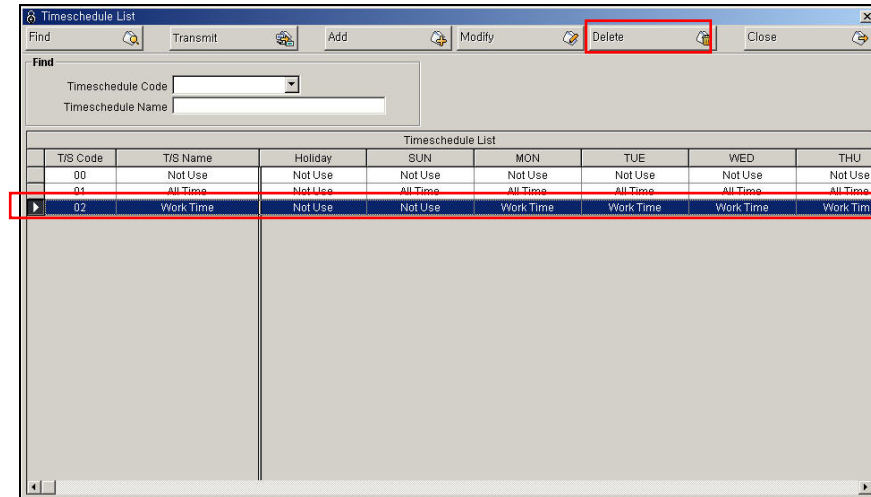
4) Click Transmit button to send the selected data to the corresponding Controller No for application.

5) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted blue bar.

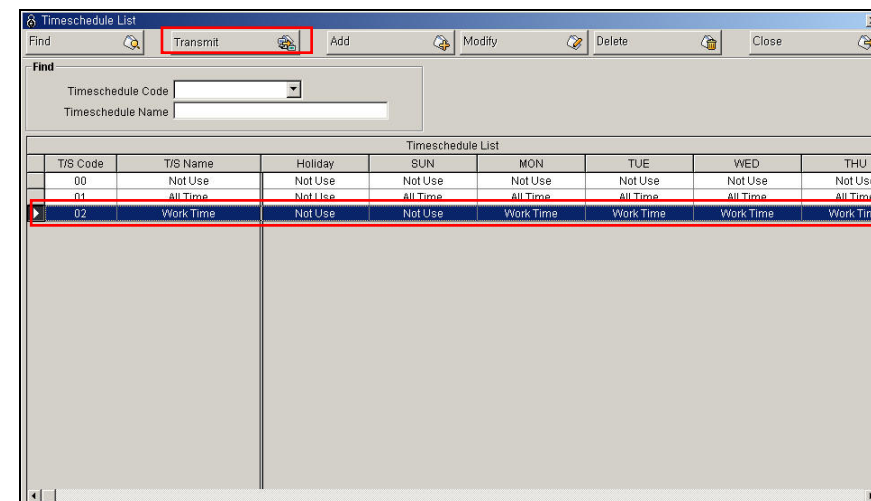


- 1) Click Delete button. Click Yes button to delete or No button to cancel.

■ Transmit

This function is used to send the setup functions to the iTDC controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Transmit button. This will send the selected data to the corresponding Timeschedule Code for application.

During transmit, if errors do not occur, there are no messages. This means the transmit was completed without disruption. If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and iTDC Controller for problems.

Access Group Definition

When multiple units of iTDC are operated, by using each access door connected to the system, you can create Access Group to register user in a group type to control access area as a whole or control as is.

■ Start

Click Access Control Management->Access Right List or press shortcut key F5.

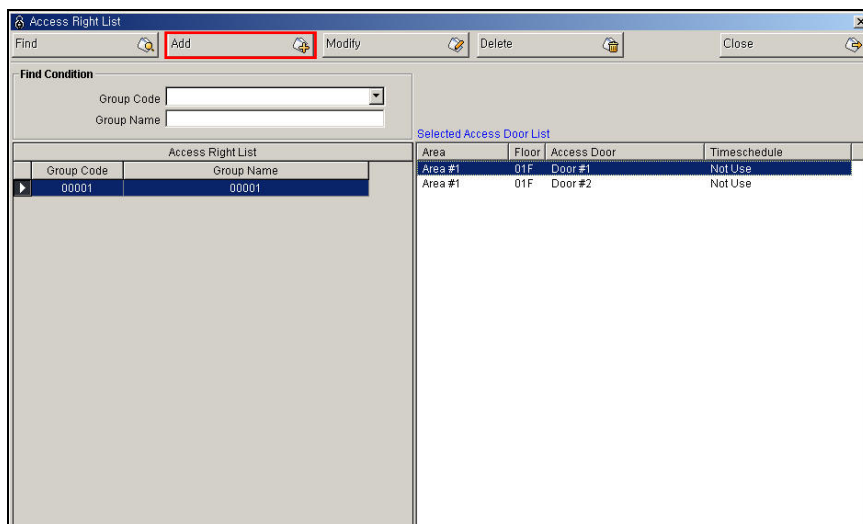
■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

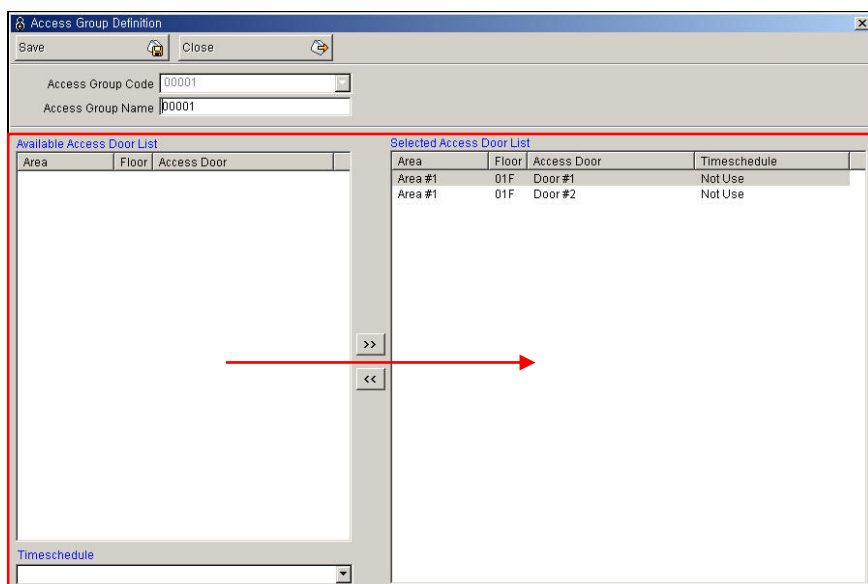
- 1) Input Group Code and Group Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add Access Group through input screen.



- 1) The following screen appears after clicking Add.

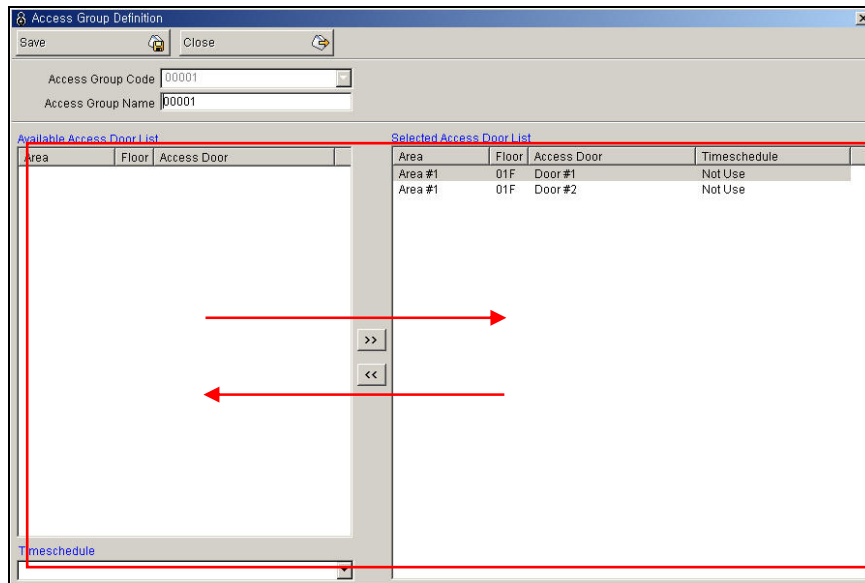


- 2) Input Access Group Code. Do not overlap this code.
- 3) Input Access Group Name.
- 4) Select Timeschedule to apply.
- 5) Double click the Access Door from Available Access Door List, or click >> button to register and apply corresponding Timeschedule.

Here the Timeschedule and Access Door work as a team to setup Access Group. This means the access door and setup Timeschedule correspond to using the setup access door.

- 6) Repeat the above method to register additional Access Group.

Cancel Access Door by double clicking on selected door or click << button.

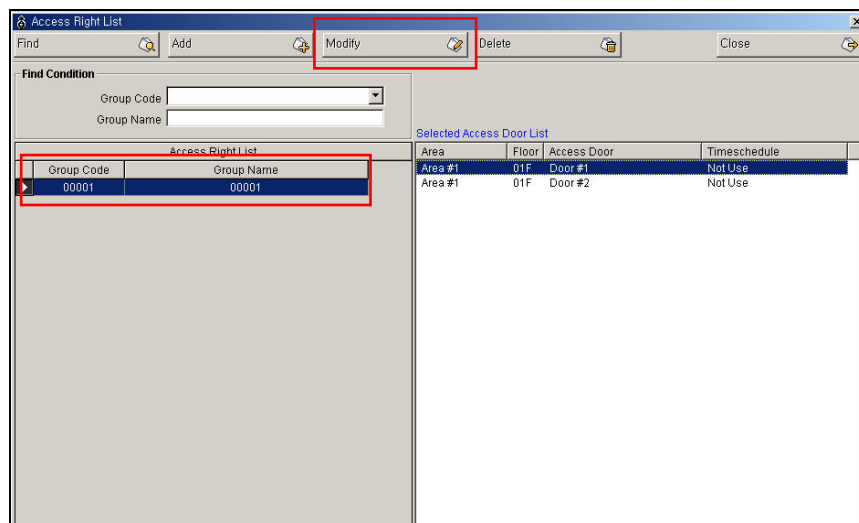


7) Click Save button to save data, and click Close button to finish.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered group category.

Selected data is displayed as below figure in highlighted blue bar.

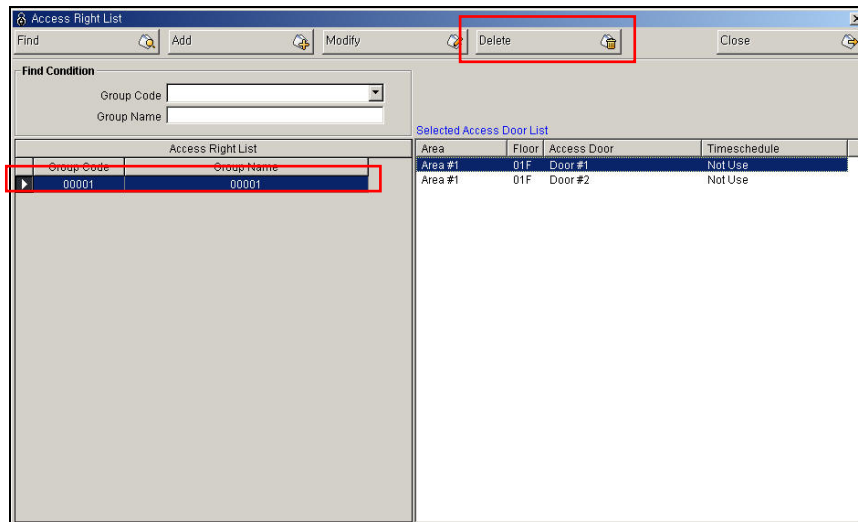


- 1) Click Modify to see the following screen. The Access Group is equal to registration screen. Therefore, the Access Group Code cannot be changed.
- 2) Modify the items that need changing.
- 3) Click Save button to save the modified information. Click Close button to finish.

- Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Card Holder Management

This function registers user ID card. Also basic personal data is inputted to approve ID card, and related data is displayed and used as Find/Output data. At the time of registration, Access Group and Time Attendance is setup also.

- Start

Click Access Control Management->Card Holder Management or press shortcut key F6.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

CardHolder List

Find Transmit BatchTransmit Add Modify Delete Close

Search Condition

Company: [Dropdown] Department: [Dropdown]
 Employee No.: [Text] Access Group: [Dropdown]
 Name: [Text] Sort By: [Dropdown]
 Card No.: [Text] Sort Order: [Dropdown]

0%

SSoleDBGrid1

Employee No.	Name	Card No.	Company	Department	Title
00001	Kim Sung Soo	25500070	IDTECK	R&D Center	Researcher

00001
 Kim Sung Soo
 IDTECK
 R&D Center
 Researcher
 Normal
 00001

- 1) Click Delete button. The screen will appear. Click Yes button to delete or No button to cancel.
- 2) Input Company, Employee No, Name, and Card No as appropriate.
- 3) Select Sort By and Sort Order.
- 4) Click Find to make an inquiry. If inquired result is available, the screen appears.

■ Add

Add is used to create fresh data. Click Add button to add user data through input screen.

CardHolder List

Find Transmit BatchTransmit Add Modify Delete Close

Search Condition

Company: [Dropdown] Department: [Dropdown]
 Employee No.: [Text] Access Group: [Dropdown]
 Name: [Text] Sort By: [Dropdown]
 Card No.: [Text] Sort Order: [Dropdown]

0%

SSoleDBGrid1

Employee No.	Name	Card No.	Company	Department	Title
00001	Kim Sung Soo	25500070	IDTECK	R&D Center	Researcher

00001
 Kim Sung Soo
 IDTECK
 R&D Center
 Researcher
 Normal
 00001

- 1) The following screen appears after clicking Add.

- 2) Input Employee No, Name, and Card No. This input is a requirement. Card No is the ID number, and depending on card type, the digits range from 8-10.

Employee No. must not overlap. It is used as a key to identify user.

Input 4 digits Password if using Card+Password to authenticate. If you do not input a password, the default value of 0000 is setup.

● Detail Information

- 3) Input user's detailed information as basic data.
- 4) Input Issuing and Expire date. Putting a check mark on Auto Delete on Expired Date will delete the corresponding ID number.

This software has the function of auto-deletion of ID number at the expiration date by transferring deletion order through communication after check expiration date in SOFTWARE. Namely it is processed only in case that software is being operated normally.

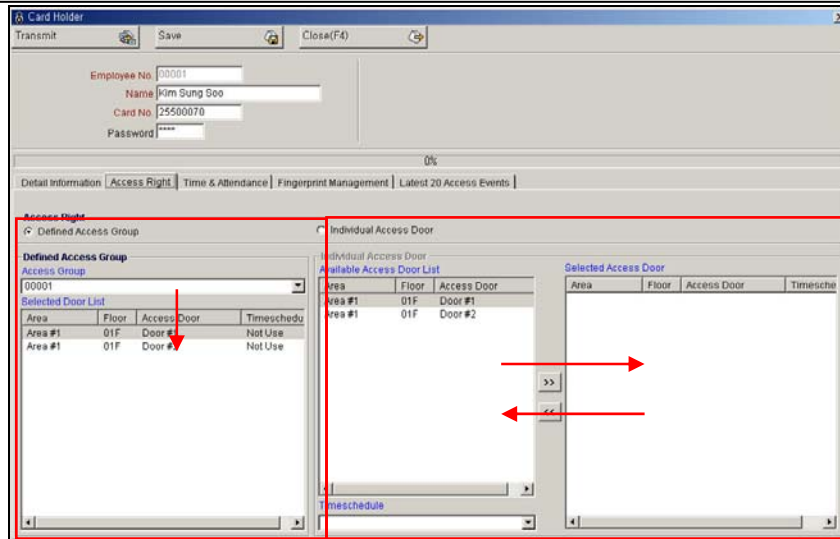
But even though that software was ended, when it is operated again, registered persons who expiry date is set at former date than the date of PC and auto-deletion is checked are deleted automatically.

In case that communication error is occurred, it may not be processed automatically, for that this function is done through the communication of software.

● Access Right

- 5) Click Access Right tab.

This is used to limit the access area on the user by selecting placed Access Group or selecting Individual Access Door to limit the access area.



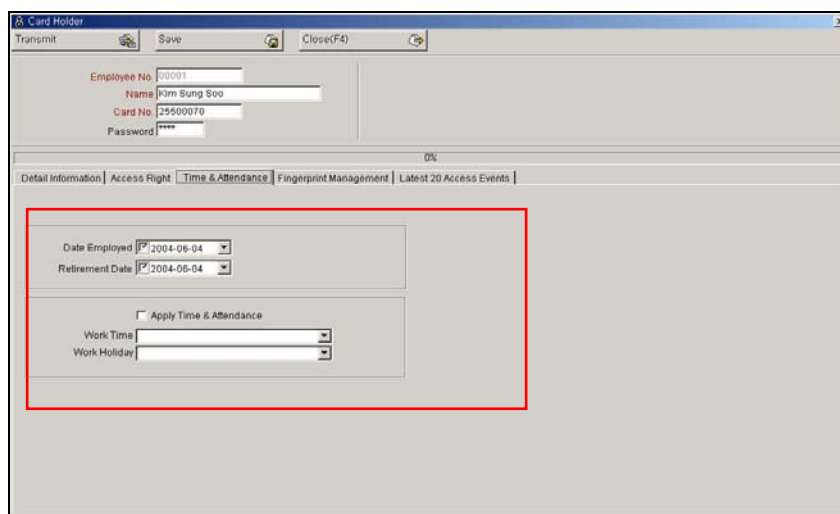
In case that you limit the access through defined access group, choose defined access group and choose access group at the lower part. Then access door list is included in access group is indicated at the bottom.

The setting of Individual access doors can be used at the access group setting mode in case that proper access group is not existed, or in case that you want to make and set the access group directly. In this case select setting of individual access doors and select the time schedule in the same method with access group setting, after that, double click door is admitted working together this time schedule..

● Time & Attendance

- 6) Select Time & Attendance tab.

This is used to apply Time & Attendance by input of corresponding data. Refer to chapter 6. Time/Attendance for detailed information.



Input Date Employed. Input Retirement Date if that is the case. For a user who is retired, cancel the time attendance by removing check mark in Apply Time & Attendance. This option determines whether or not data is created.

If selecting Apply Time & Attendance, user needs to select Work Time and Work Holiday.

Work Time is applied per individual by using the Work Code setup.

Work Holiday is applied per individual to calculate attendance on a holiday work.

Work Time and Work Holiday needs to be setup initially through work in registration and work holiday registration.

Refer to chapter 6. Time and Attendance regarding setup for Work Time and Work Holiday.

● Fingerprint Management

Reference: Fingerprint Registration
First, a fingerprint must be registered directly in a specific biometrics reader. Because registered data in a specific biometrics reader is registered in a database after receiving through the program, then transmit to other biometrics reader.
Also, to receive registered fingerprint in a specific biometrics reader through the software, user's information must be registered previously in a database.

Reference: Finger Print Reception
'FP Receive' button receives registered fingerprint data in a specific biometrics reader, then save user's fingerprint in a database.

- 7) Select Fingerprint management tab.

If card holder uses fingerprint recognition, manage this part.

- 8) Select fingerprint use/not use mode.

Use mode : Select this option to register fingerprint.(Normally, Fingerprint is registered)

Not Use Mode: If user is unable to register user's fingerprint, this option allows user to use password.

- 9) Select biometrics reader address that is registered a finger print data.
 - 10) Click Receive Fingerprint button. Receive FP button receives registered fingerprint data in a selected biometrics reader, then save user's fingerprint in a database.
- You can see a finger print data from right box.
- 11) Click Save button to save data.
 - 12) Click Transmit button. This will send the selected data to the system for application.

When it is transmitted, ID is registered only at admitted area as following the setting of access group. So if a lot of access areas are exited, it might take some time for transportation of data. And that in case of communication defect, transmission error or delay of time can be happened.

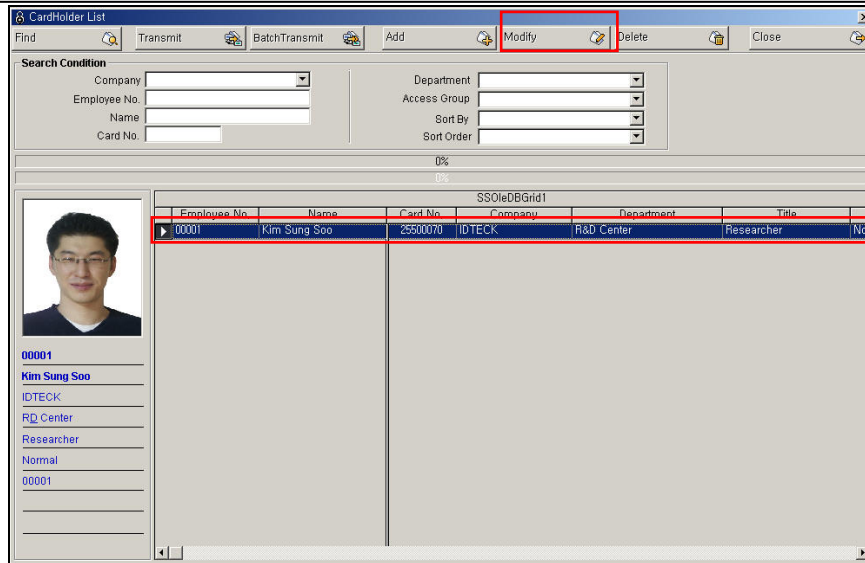
And when the data is being transmitted, transmission status is indicated in the middle of screen.

This function will be operated only for normal communication status so that if the communication is lost, then this function will not be operated properly.

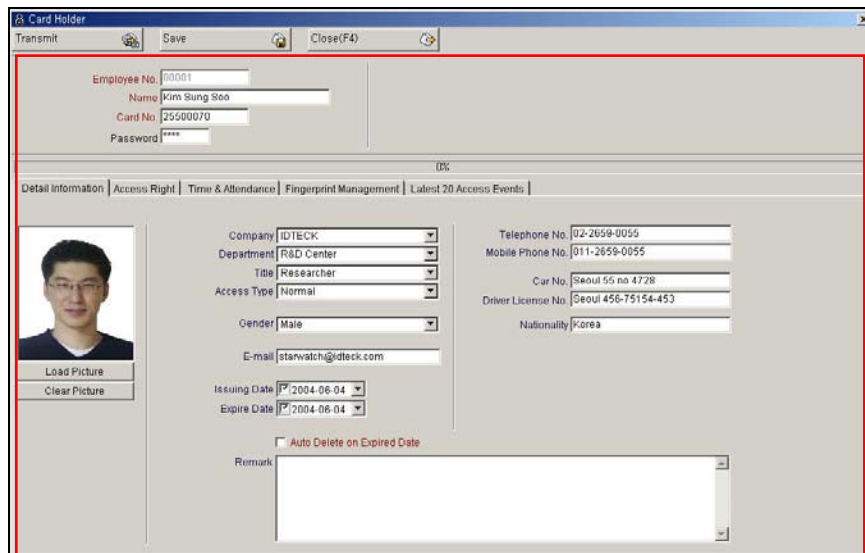
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content listnorth500

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the following screen. The screen is equal to registration screen. Therefore, the Employee No. cannot be changed.



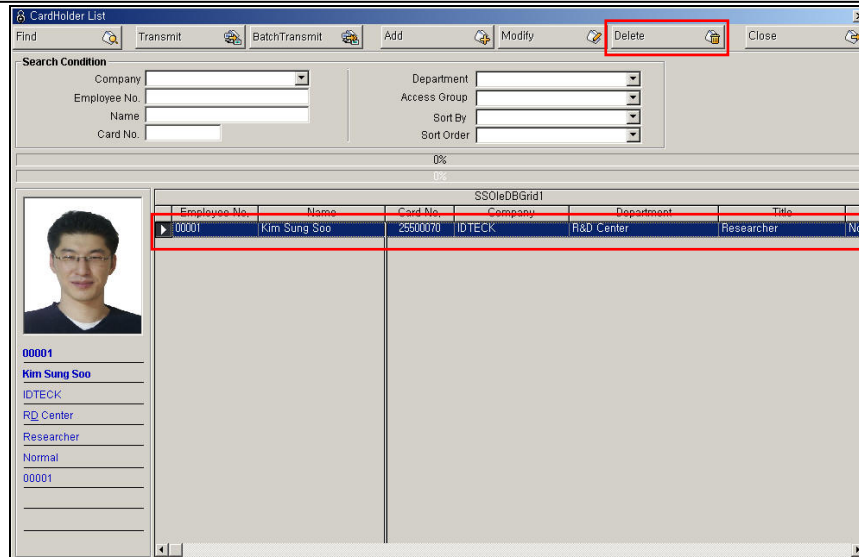
- 2) Modify items to change. Modify Detailed Information, Access Right, and Time & Attendance.
- 3) Click Save button to save data.

If card no or access group data was modified, you need to retransmit the data.

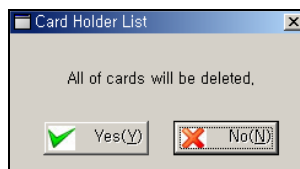
■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted blue bar.

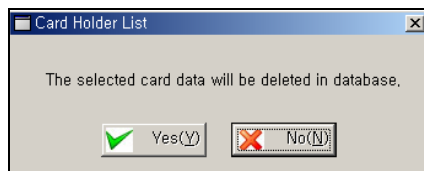


- 1) Click Delete button. Click Yes button to delete or No button to cancel.



- 2) Clicking Yes button will delete all ID cards in iTDC controller. Once completed, it will ask the user if the current data is going to be deleted from database in a message box.

Clicking Yes will delete from database, and registered into Delete Management to be restored later.



- 3) Click Close button to finish.

■ Individual Transmit

This function transmits the selected data to the iTDC controller, and activates the setup functions. User is selected from the corresponding access group to be sent to the registered access door.

CardHolder List

Find Transmit BatchTransmit Add Modify Delete Close

Search Condition

Company Department

Employee No. Access Group

Name Sort By

Card No. Sort Order

0%

0%

SSoleDBGrid1

Employee No.	Name	Card No.	Company	Department	Title	
▶ 00001	Kim Sung Soo	25500070	IDTECK	R&D Center	Researcher	No

00001

Kim Sung Soo

IDTECK

R&D Center

Researcher

Normal

00001

■ Batch Transmit

This transmits the entire data through Find in means of Find Condition to the iTDC. If find has no specific parameters, it will display the entire information. In this case, clicking Batch Transmit will send entire registered data, but if specific parameter is used to find, it sends the found result completely.

CardHolder List

Find Transmit BatchTransmit Add Modify Delete Close

Search Condition

Company Department

Employee No. Access Group

Name Sort By

Card No. Sort Order

0%

0%

SSoleDBGrid1

Employee No.	Name	Card No.	Company	Department	Title	
▶ 00001	Kim Sung Soo	25500070	IDTECK	R&D Center	Researcher	No

00001

Kim Sung Soo

IDTECK

R&D Center

Researcher

Normal

00001

Deleted Card Management

This function lets the user manage the deleted data from User Contents. If later on the deleted user is to be reinstated, this function recovers the data to register user without having to input all over again.

- Start

Click Access Control Management->Deleted Card Management or press shortcut key F7.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available.

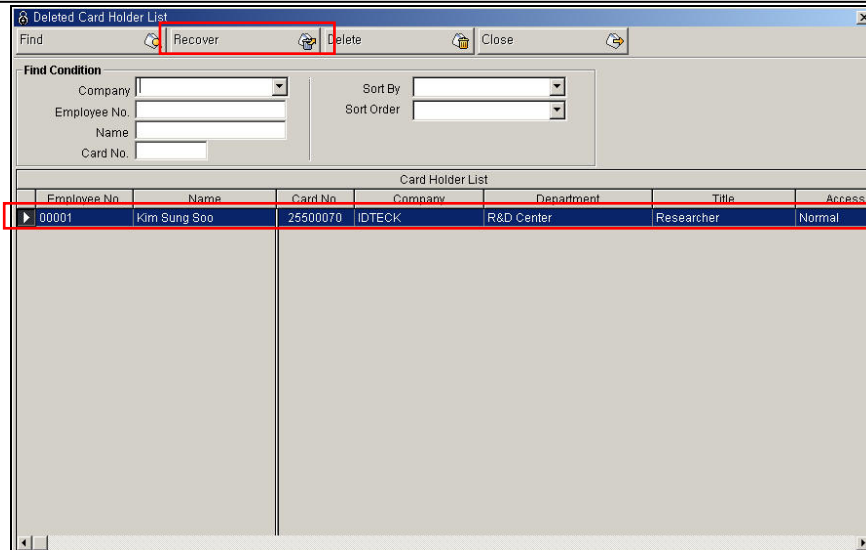
Employee No.	Name	Card No.	Company	Department	Title	Access
00001	Kim Sung Soo	25500070	IDTECK	R&D Center	Researcher	Normal

- 1) Input Company, Employee No, Name, and Card No as appropriate.
- 2) Select Sort By and Sort Order.
- 3) Click Find to make an inquiry. If inquired result is available, the screen appears.

- Recover

This is used to recover delete user data. Use Find to locate or registered deleted user content to select data for recovery.

Selected data is displayed as below figure in highlighted blue bar.

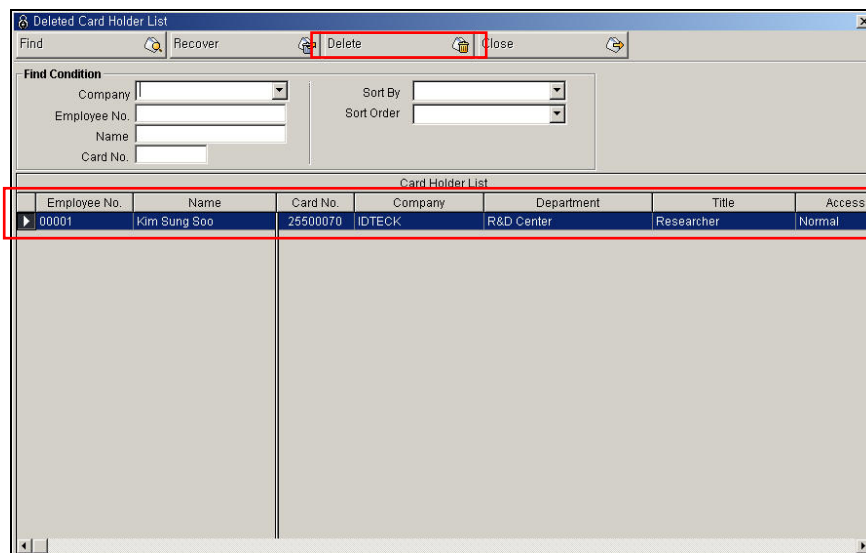


- 1) Select data to recover from Find or Contents.
- 2) Click Recover button to begin.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Visitor Management

This function manages visitor access by means of temporary visit registration. The visitor is issued a card with setup of access area, and is expired the access with input of Expire date automatically.

■ Start

Click Access Control Management->Visitor Management or press shortcut key F8.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

The screenshot shows the 'Visitor List' application window. At the top, there is a toolbar with buttons: Find, Transmit, Add, Modify, Delete, and Close. The 'Find' button is highlighted with a red box. Below the toolbar, there is a 'Find Condition' section, also highlighted with a red box. This section contains input fields for 'Company', 'Name', 'Telephone No.', and 'Card No.', as well as dropdown menus for 'Sort By' and 'Sort Order'. Below the 'Find Condition' section, there is a table titled 'Visitor List' with the following data:

Company	Name	Telephone No.	Card No.	Access Group	Visiting Company	Visiting Department
RF Logistics	Eric	02-2659-0055	01245621	00001	IDTECK	R&D Center

- 1) Input Company, Name, Telephone No, and Card No as appropriate.
- 2) Select Sort By and Sort Order.
- 3) Click Find to make an inquiry. If inquired result is available, the screen appears.

■ Add

Add is used to create fresh data. Click Add button to add visitor information through input screen.

Visitor List

Find Condition

Company: RF Logistics
Name: Eric
Telephone No.: 02-2659-0055
Card No.: 01245621

Sort By: [Dropdown]
Sort Order: [Dropdown]

Company	Name	Telephone No.	Card No.	Access Group	Visiting Company	Visiting Department
RF Logistics	Eric	02-2659-0055	01245621	00001	IDTECK	R&D Center

- 1) The following screen appears after clicking Add.

Visitor Management

Transmit Save Close

Company: RF Logistics
Name: Eric
Card No.: 01245621

Timeschedule

Telephone No.: 02-2659-0055
Visiting Company: IDTECK
Visiting Department: R&D Center
Visiting Person: Kim Sung Soo
Visiting Purpose: [Dropdown]
Remark: [Text Area]

Issuing Date: 2004-06-04 00:00
Expire Date: 2004-06-04 23:59

Access Group: 00001

Access Door	Timeschedule
Door #1	Not Use
Door #2	Not Use

- 2) Input Company, Name, and Card No. This input is a requirement and must be done.
- 3) Input visitor information.
- 4) Setup Issuing Date and Expire Date. Expire Date activates the automatic deletion of visitor ID. This means if the Expire Date matches the current PC time, the ID is automatically deleted from the controller through communication.

The function of auto-deletion of ID number at the expiration date is transferred deletion order through communication after check expiration date in SOFTWARE. Namely it is processed only in case that software is being operated normally.

This function will be operated only for normal communication status so that if the communication is lost, then this function will not be operated properly.

- 5) Setup visitor access area. Select from the Access Group already in place. This function needs to be registered initially.
- 6) Click Save button to save.
- 7) Click Transmit to register the ID to iTDC.
- 8) Click Close button to finish.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted blue bar.

Company	Name	Telephone No.	Card No.	Access Group	Visiting Company	Visiting Department
RF Logistics	Eric	02-2659-0055	01245621	00001	IDTECK	R&D Center

- 1) Click Modify to see the following screen. The Visitor Management Modify is equal to registration screen. Therefore, Company and Name cannot be changed.

Access Door	Timeschedule
Door #1	Not Use
Door #2	Not Use

- 2) Modify data. You must transmit, if Card No and Access Group is changed.
- 3) Click Save and Transmit button.
- 4) Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.

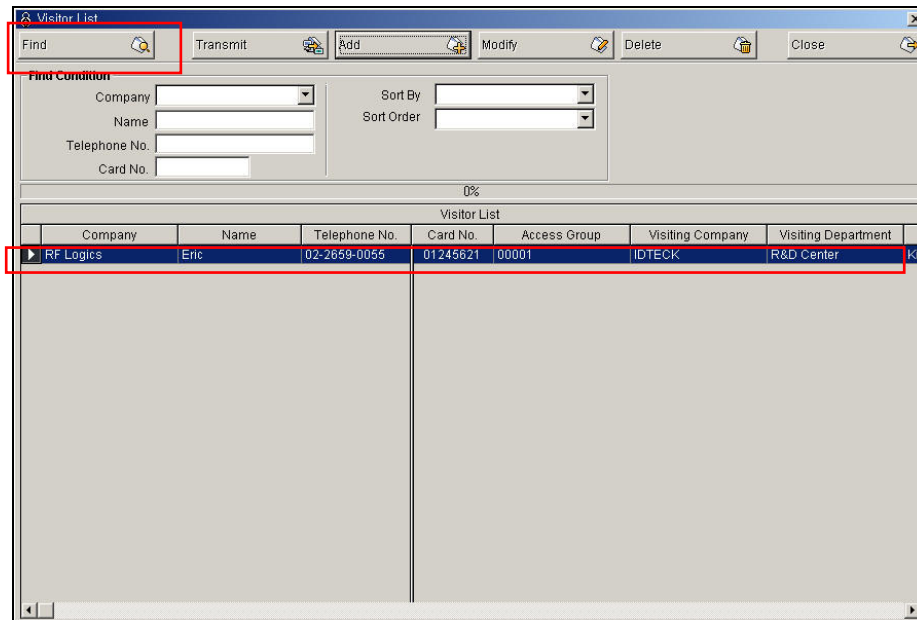
Company	Name	Telephone No.	Card No.	Access Group	Visiting Company	Visiting Department	
RF Logics	Eric	02-2659-0055	01245621	00001	IDTECK	R&D Center	<input checked="" type="checkbox"/>

- 1) Click Delete button. Click Yes button to delete or No button to cancel.

■ Transmit

This function is used to send the setup functions to the iTDC controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Select from Visitor List.
- 2) Click Transmit.
- 3) Click Close to finish.

View

Access Door Status/Control

This function lets the user monitor access door status in real time. The icon status changes displaying in real time (Door Open, Door Closed, Lock, and Unlock)

Also, the user can control Lock, Unlock of access door by location of (entire, area type, floor type, individual type door)

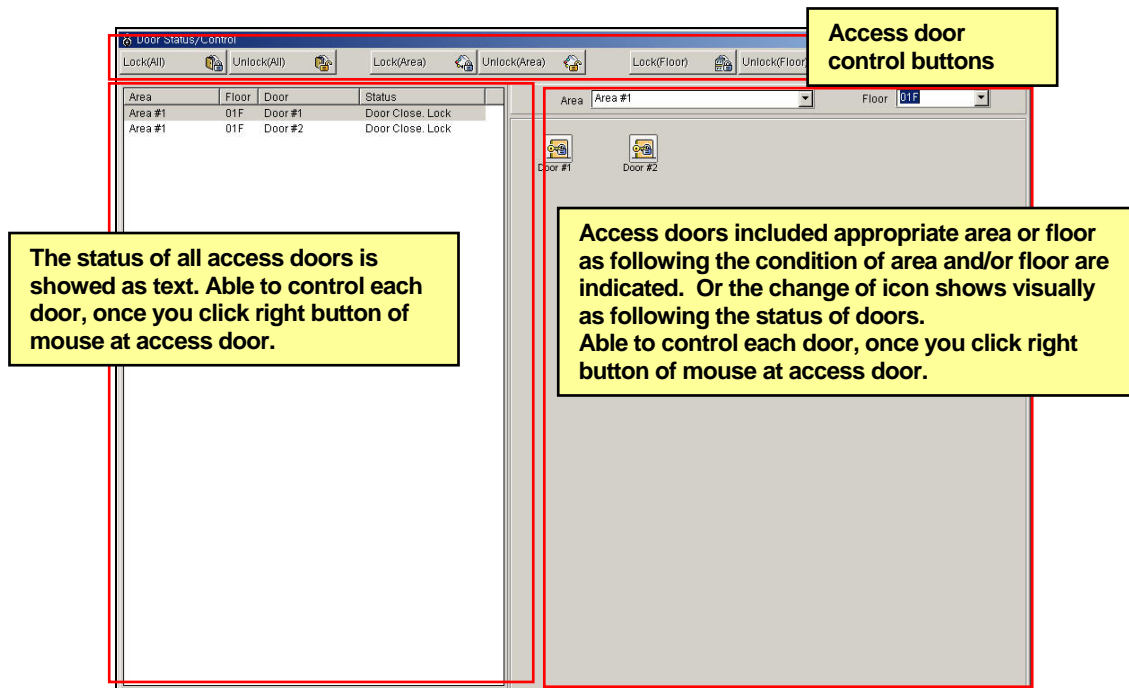
- Start

Click View->Door Status/Control or press shortcut key Ctrl+F1.

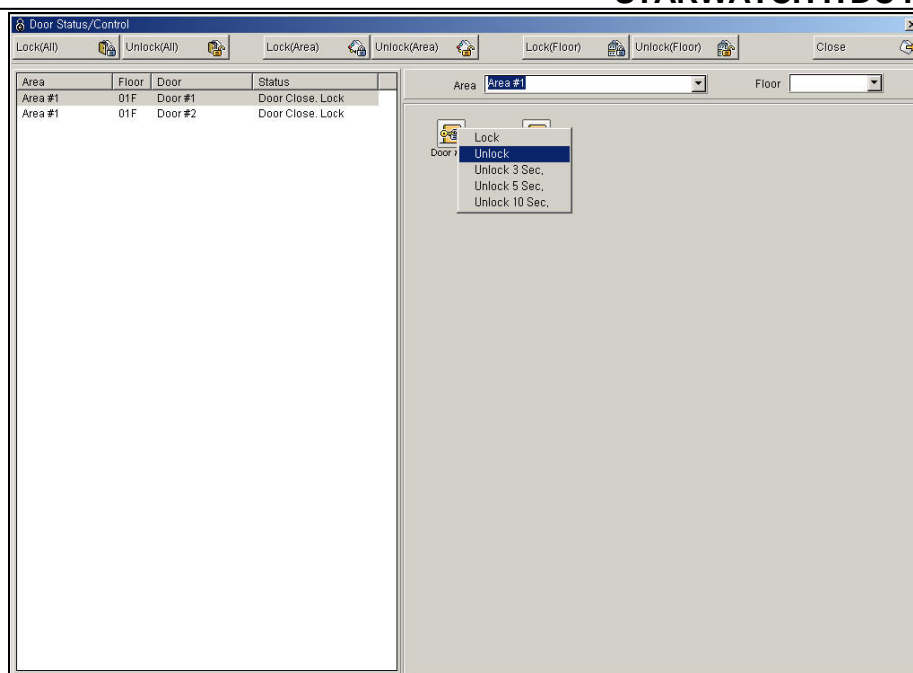
■ **Control**

This is used to control door of (entire, area type, floor type, individual type door)

- Lock (Entire): Entire doors are locked.
- Unlock (Entire): Entire doors are unlocked.
- Lock (Area): Selected area doors are all locked.
- Unlock (Area): Selected area doors are all unlocked.
- Lock (Floor): Selected Floor doors are all locked.
- Unlock (Floor): Selected Floor doors are all unlocked.



- Lock : Selected door is locked.
- Unlock: Selected door is unlocked.
- 3 sec Unlock: Selected door is unlocked for 3 sec.
- 5 sec Unlock: Selected door is unlocked for 5 sec.
- 10 sec Unlock: Selected door is unlocked for 10 sec.



Transaction Status

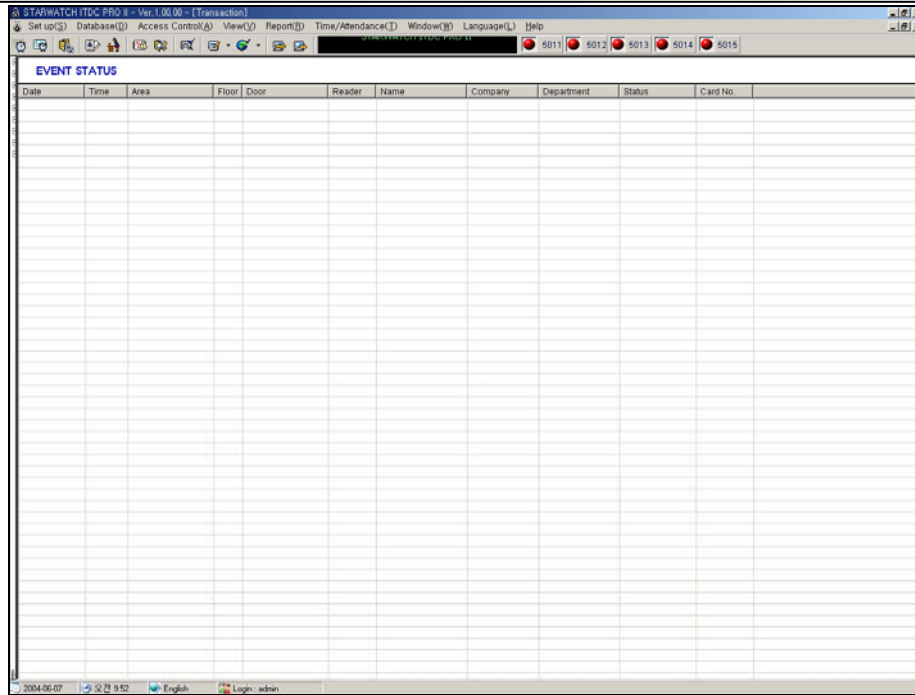
This function displays normal and alarm events when an event occurs. It lets the user check in real time the event status.

- Start

Click View->Event Status or press shortcut key Ctrl+F2.

- Event Status

This displays normal access events.

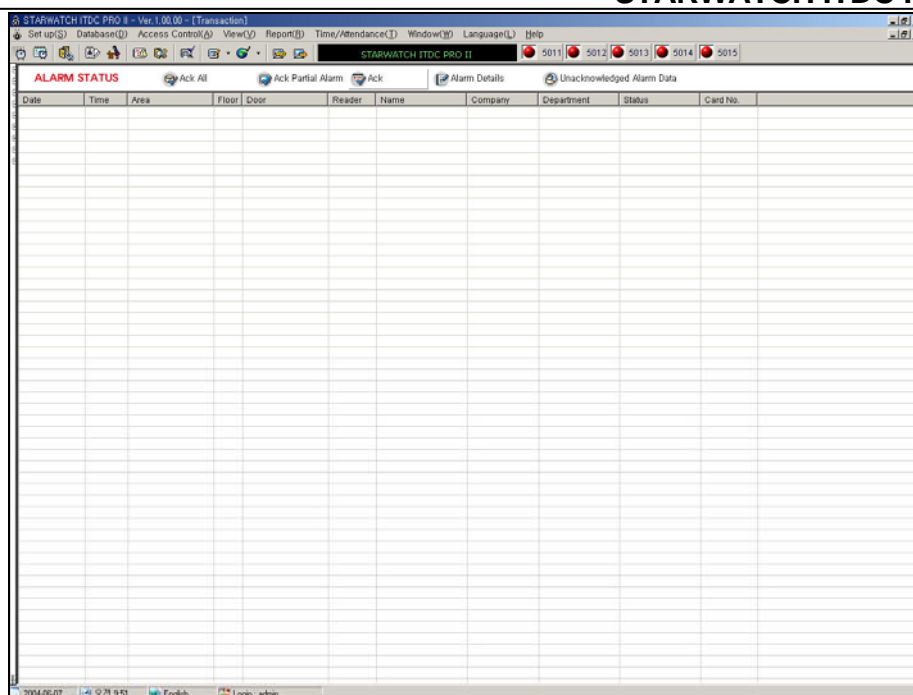


■ Alarm Status

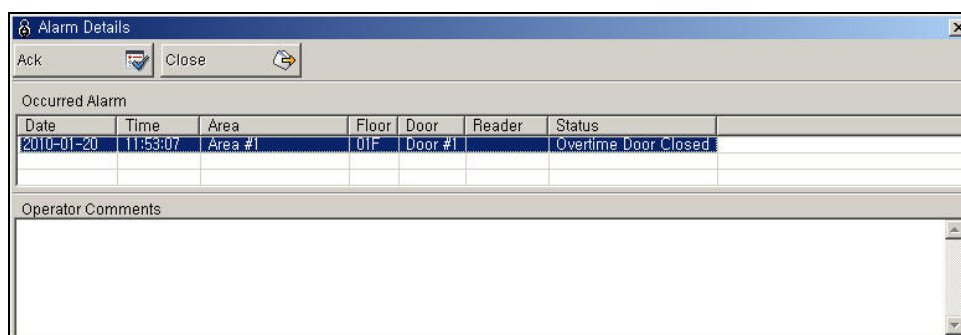
This displays various alarm events. It shows user's access denied event, time schedule error, and other input/output events.

Also, in the event of an alarm, there is an Admin acknowledgement function. User needs to acknowledge alarm status. If the alarm event was not checked, it will load into the alarm status when software is rebooted.

The number of alarm status loaded into the software is 3000 listing the current as standard. If the user does not check the alarm status when reaching this limit, the alarm status will not display again.



- Ack All: Acknowledge all alarm events currently displayed.
- Ack : Acknowledge alarm event selected with a mouse.
- Alarm Details: Acknowledge alarm event selected with a mouse can input details with Operator Comments. Once the alarm details are completed, click Ack button to acknowledge.



Alarm Status is displayed in various colors depending on alarm event type. Also, when the Admin acknowledges an alarm event, the event is displayed in black to check whether or not the alarm event was acknowledged.

Report

Card Holder List Report

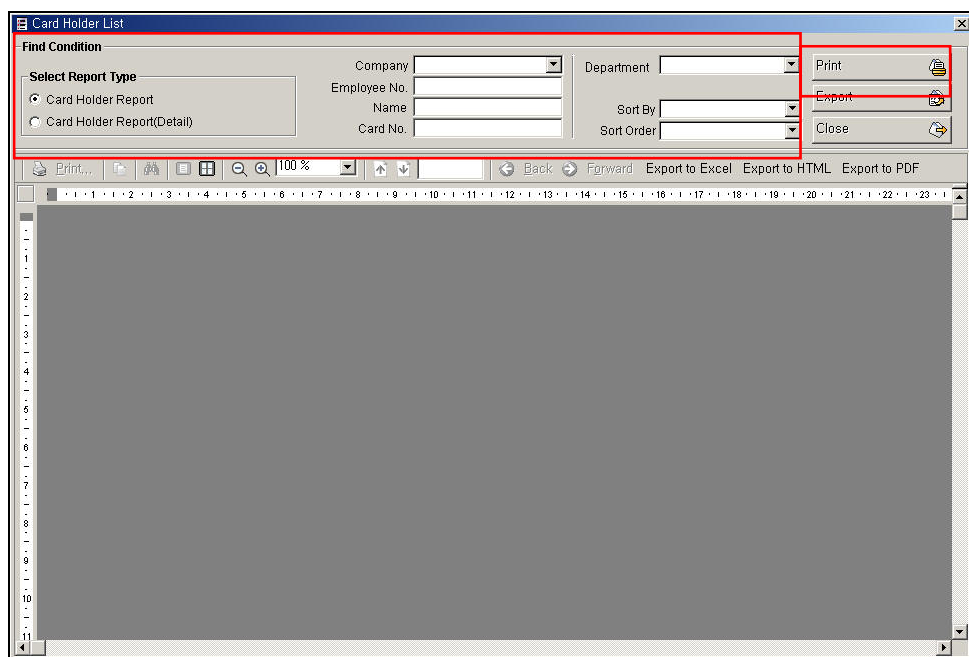
The registered user status in Card Holder Management can be outputted.

- Start

Click Report->Card Holder List or press shortcut key Ctrl+F4.

- Print

This function uses registered Card Holder data as basis to print Card Holder contents in agreement to Find Condition.



- 1) Select Report Type.

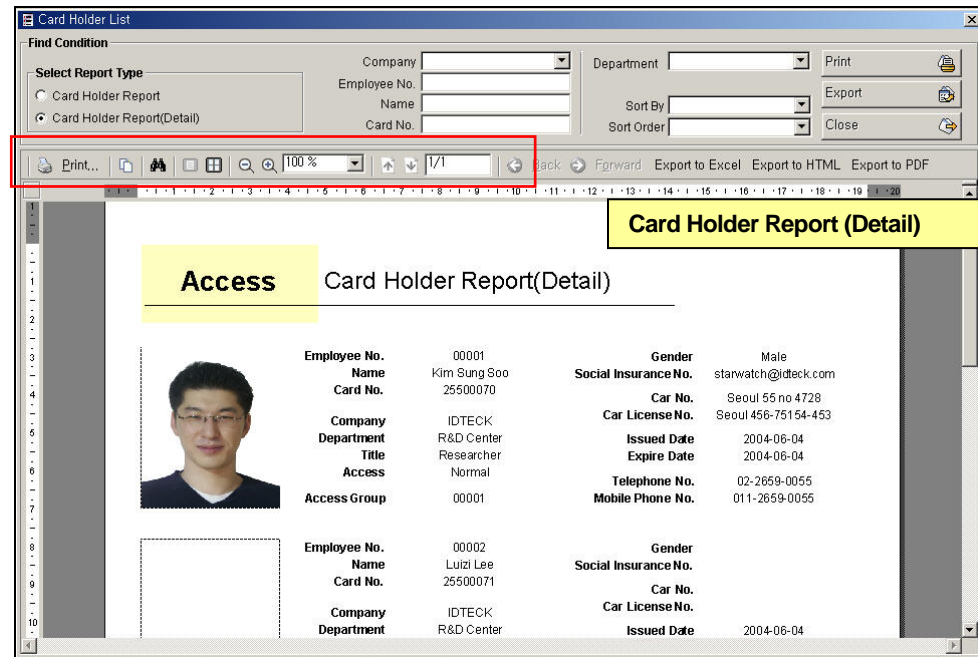
Door Access Reports simply print employee's number, name, company, department, title, and access group.

Door Access Detail Reports print user's personal information and their photo images. (It causes system overload if access data has many lists with photo images to print them out or pre-vie.

- 2) Input Company, Employee No, Name, and Card No as appropriate.

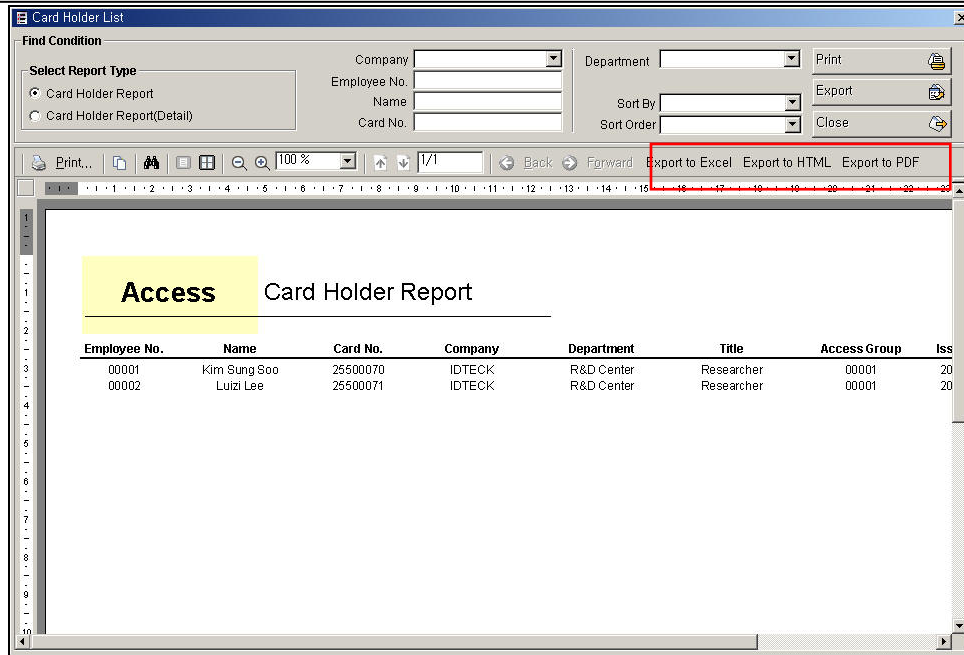
- 3) Select Sort By and Sort Order.

- 4) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



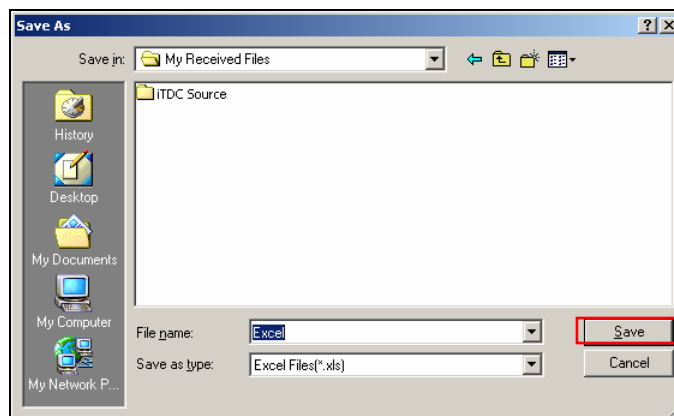
- File Conversion

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- ✓ Export to Excel: Excel report file is created as appearing in print image.
- ✓ Export to HTML: HTML report file is created as appearing in print image.
- ✓ Export to PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

- 1) Click the button for the type of file conversion.
- 2) The following screen will appear. Input the file name and designate a folder location.



- 3) Click Save button. Depending on file conversion type, it may take some time to complete.

There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

- 4) Once conversion is completed, you can open the converted file to check file image.

Microsoft Excel - 2.xls

Access		Card Holder Report						
Employee ID	Name	Card ID	Company	Department	Title	Access Group	Issued Date	Expir Date
55	route	25500070	IDTECK	Lab	Researcher	group1	2003-01-27	2003-01-27

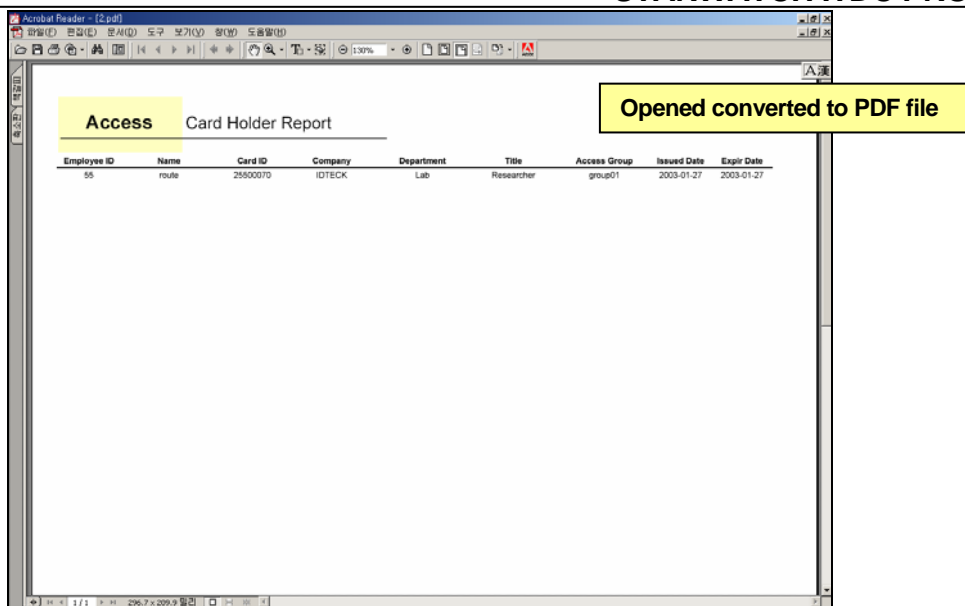
Opened converted to Excel file

Microsoft Internet Explorer

파일(F) 편집(E) 보기(V) 형식(O) 도구(T) 도움말(H)

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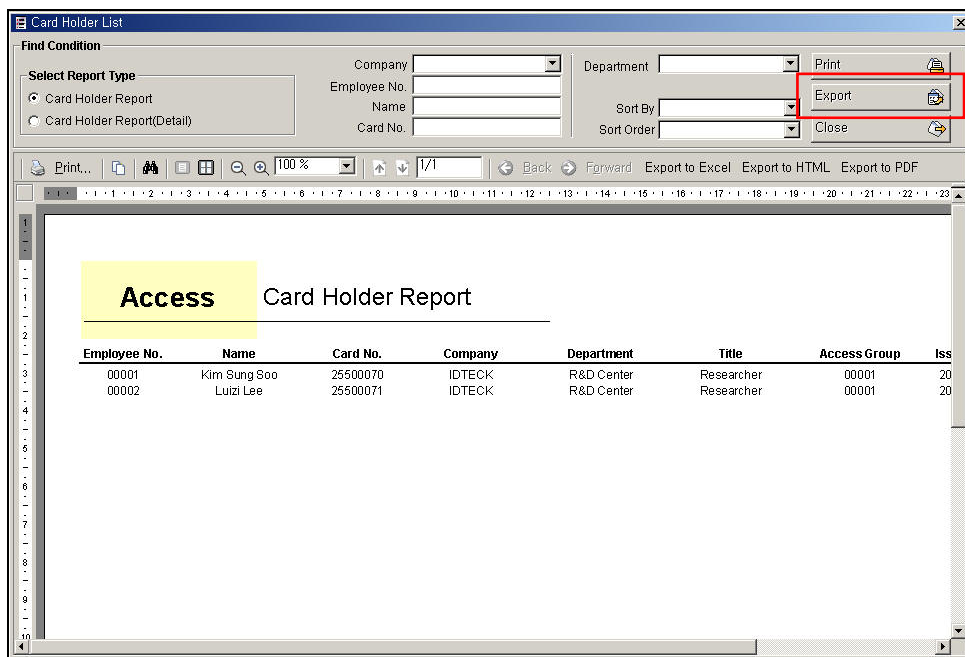
Opened converted to HTML file



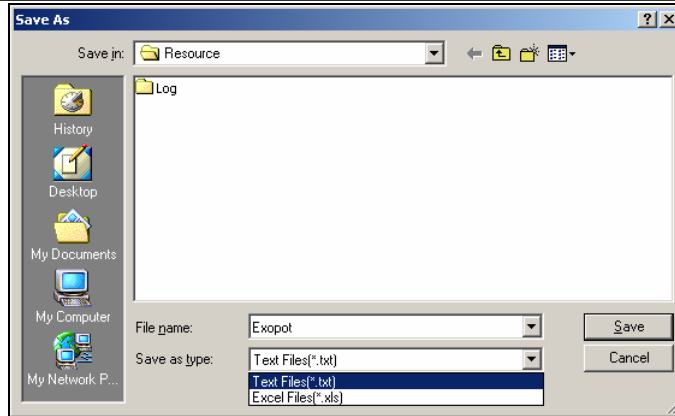
- Export

This function is used to export specified file through Find data for storage.

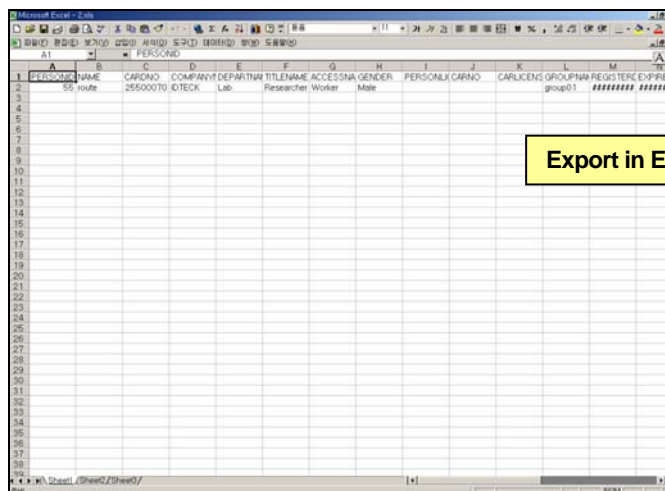
Clicking Export button can store data from Find in text and Excel file.



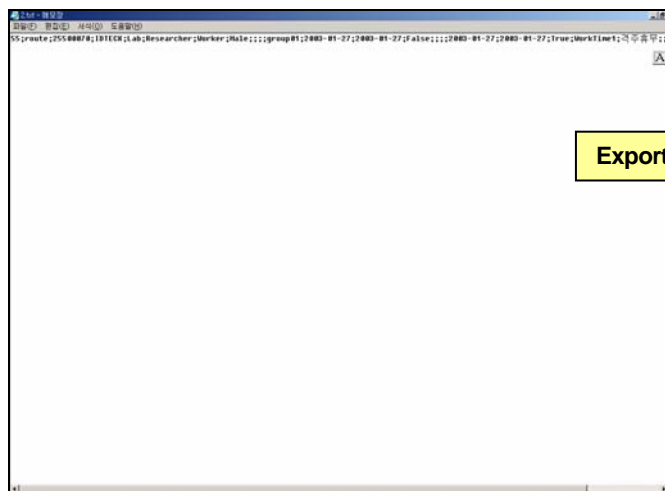
- 1) Input Search Condition.
- 2) Click Export button, and the following screen appears.



- 3) Input file location, name, and select file format. Click Save button to save.



Export in Excel format



Export in Excel format

Delete Card Holder Report

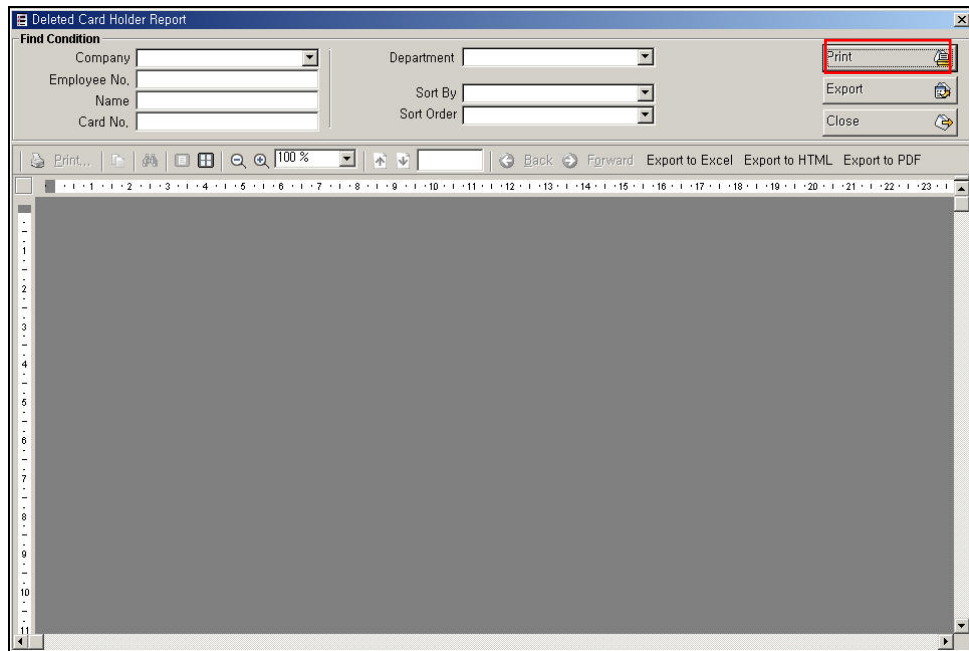
The reports from deleted card holder in Card Holder Management are searched and printed. It searches and prints data registered in Delete Management.

■ Start

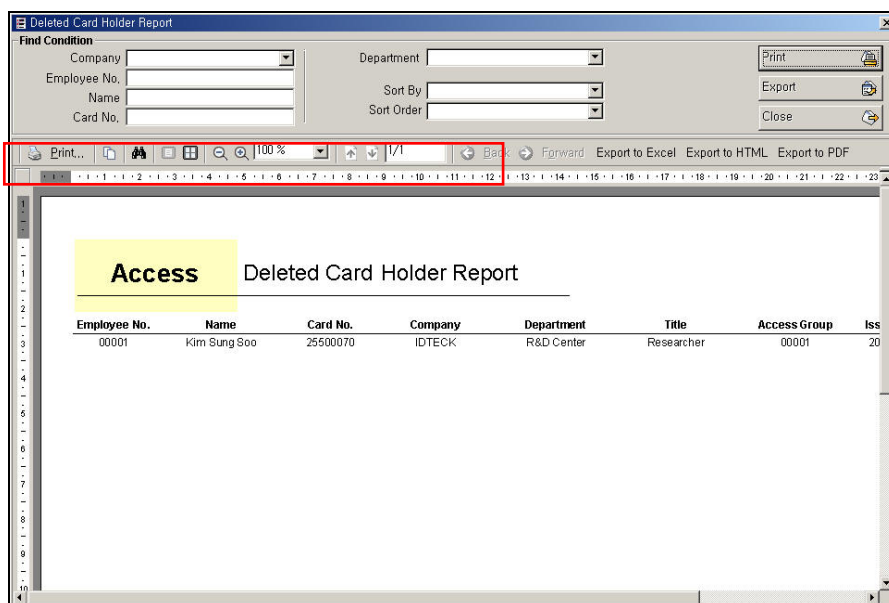
Click Report->Deleted Card Holder List Report or press shortcut key Ctrl+F5.

■ Print

This function prints the report of Deleted Card Holder List in agreement with registered deleted card holder data.



- 1) Input Company, Employee No, Name, and Card No as appropriate.
- 2) Select Sort By and Sort Order.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

- Export and Conversion

These functions are used identically to methods explained formerly.

Event History Report

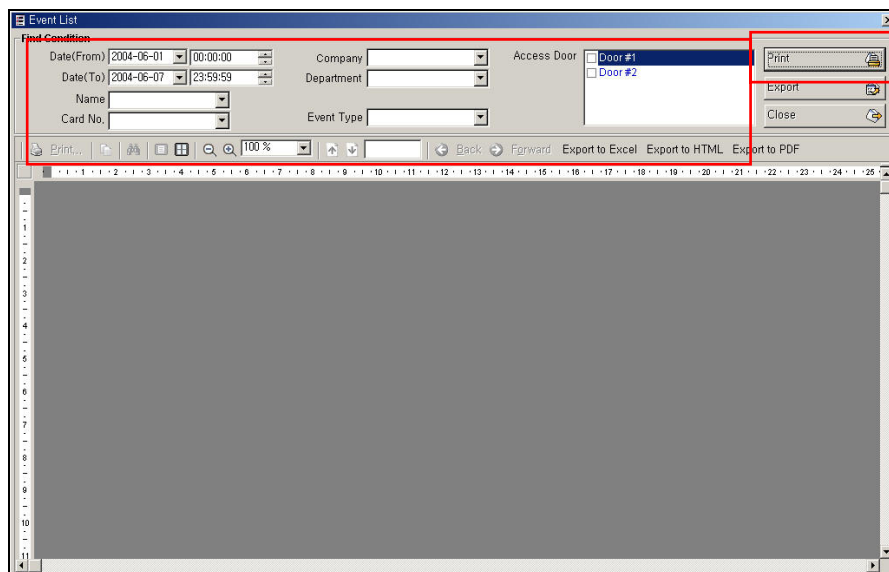
This report is searched as normal access event data of date and time. This data prints out all users' access record through search. Use appropriate condition to search and print.

- Start

Click Report->Event History Report or press shortcut key Ctrl+F6.

- Print

This function prints the report of stored access status data in agreement with search data.



- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.

Date	Time	Area	Floor	Door	Reader	Employee No.	Name	Card No.	Company	Department
2004-05-07	13:48:45	Area #1	01F	Door #2	Reader #2	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:49	Area #1	01F	Door #2	Reader #4	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:49	Area #1	01F	Door #2	Reader #3	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:49	Area #1	01F	Door #2	Reader #4	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:50	Area #1	01F	Door #1	Reader #1	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:52	Area #1	01F	Door #2	Reader #3	00001	Kim Sung Seo	25500070	ID TECH	R&D Center
2004-05-07	13:48:52	Area #1	01F	Door #2	Reader #4	00001	Kim Sung Seo	25500070	ID TECH	R&D Center

- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

Alarm History Report

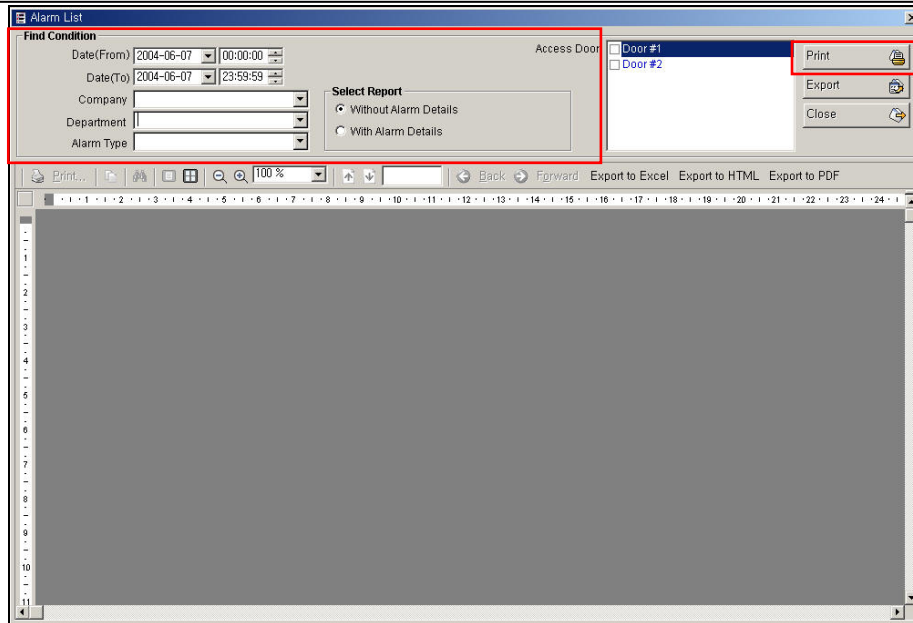
This report searches and prints alarm event data. All data related to alarm events are stored in database. Using date and time as Find Condition, the alarm event status is searched and printed.

■ Start

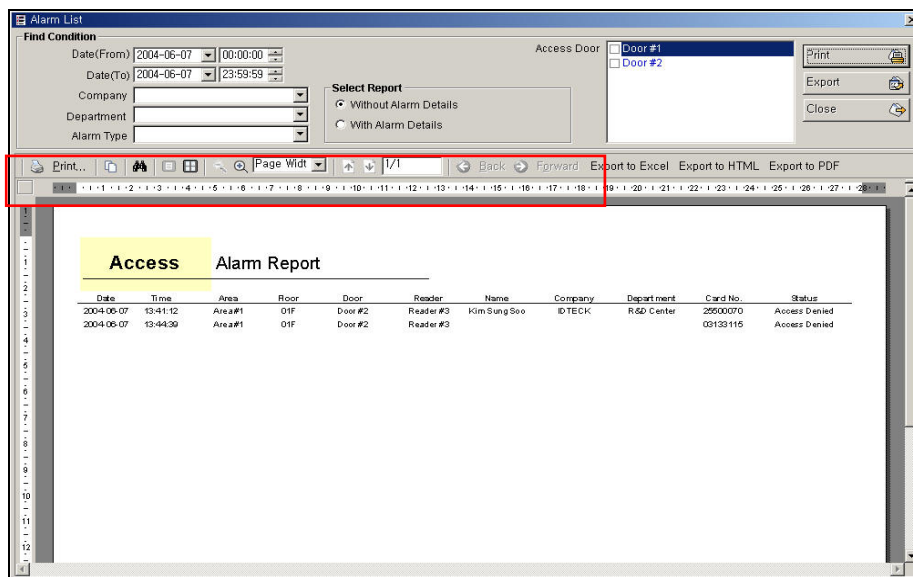
Click Report->Alarm History Report or press shortcut key Ctrl+F7.

■ Print

This function prints the report of stored alarm status data in agreement with search data.



- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

Individual Type Access Door Report

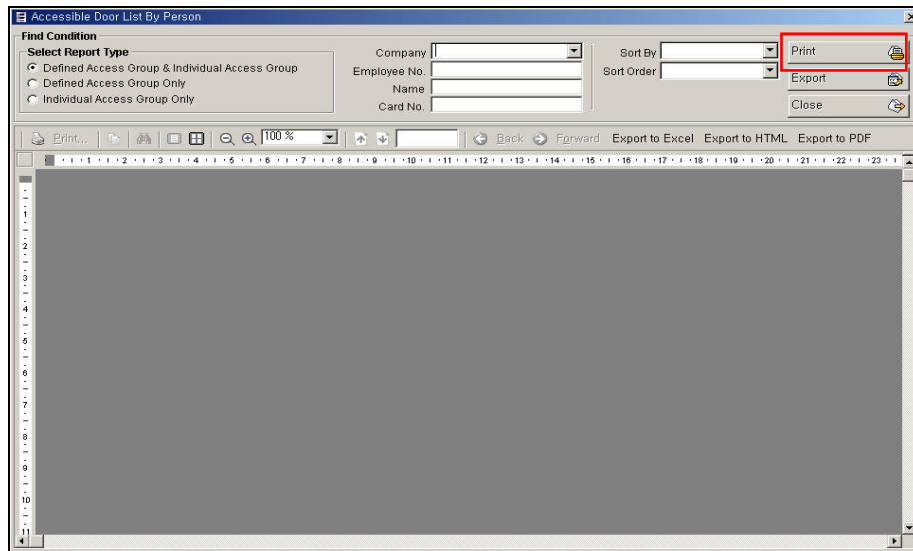
This report uses setup Access Group data in Card Holder Registration, as basis to print out data of individual type access area/door status setup.

- Start

Click Report->Individual Type Access Door Report or press shortcut key Ctrl+F8.

■ Print

It will print out Accessible Door List by Person.



- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Select Report Type.

Defined Access Group & Individual Access Group report consists of designate access group setup data and individual door type list setup.

Defined Access Group Only report consists of designate access group setup data.

Individual Access Group Only report consists of individual door type list setup.

- 4) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.

Find Condition

Select Report Type

Defined Access Group & Individual Access Group
 Defined Access Group Only
 Individual Access Group Only

Company
 Employee No.
 Name
 Card No.

Sort By
 Sort Order

Print
 Export
 Close

Print... Find Zoom 100% Back Forward Export to Excel Export to HTML Export to PDF

Access Accessible Door Report By Person

Employee No.	Card No.	Name	Company	Department	Access Group															
00001	25500070	Kim Sung Soo	IDTECK		00001															
<table border="1"> <thead> <tr> <th>Area (Location)</th> <th>Floor</th> <th>Access Door</th> <th>Timeschedule Code</th> <th>Timeschedule</th> </tr> </thead> <tbody> <tr> <td>Area #1</td> <td>01F</td> <td>Door #1</td> <td>00</td> <td>Not Use</td> </tr> <tr> <td>Area #1</td> <td>01F</td> <td>Door #2</td> <td>00</td> <td>Not Use</td> </tr> </tbody> </table>						Area (Location)	Floor	Access Door	Timeschedule Code	Timeschedule	Area #1	01F	Door #1	00	Not Use	Area #1	01F	Door #2	00	Not Use
Area (Location)	Floor	Access Door	Timeschedule Code	Timeschedule																
Area #1	01F	Door #1	00	Not Use																
Area #1	01F	Door #2	00	Not Use																
00002	25500071	Luiz Lee	IDTECK		00001															
<table border="1"> <thead> <tr> <th>Area (Location)</th> <th>Floor</th> <th>Access Door</th> <th>Timeschedule Code</th> <th>Timeschedule</th> </tr> </thead> <tbody> <tr> <td>Area #1</td> <td>01F</td> <td>Door #1</td> <td>00</td> <td>Not Use</td> </tr> <tr> <td>Area #1</td> <td>01F</td> <td>Door #2</td> <td>00</td> <td>Not Use</td> </tr> </tbody> </table>						Area (Location)	Floor	Access Door	Timeschedule Code	Timeschedule	Area #1	01F	Door #1	00	Not Use	Area #1	01F	Door #2	00	Not Use
Area (Location)	Floor	Access Door	Timeschedule Code	Timeschedule																
Area #1	01F	Door #1	00	Not Use																
Area #1	01F	Door #2	00	Not Use																

5) To obtain print out of this screen, click the Print button located in the top left hand side.

Accessible Door List By Person Report

This report uses Accessible Door as basis to search and print out corresponding access door applied to give user authority.

■ Start

Click Report->Accessible Door List By Person or press shortcut key Ctrl+F9.

■ Print

It will print out Accessible Door List by Person.

Find Condition

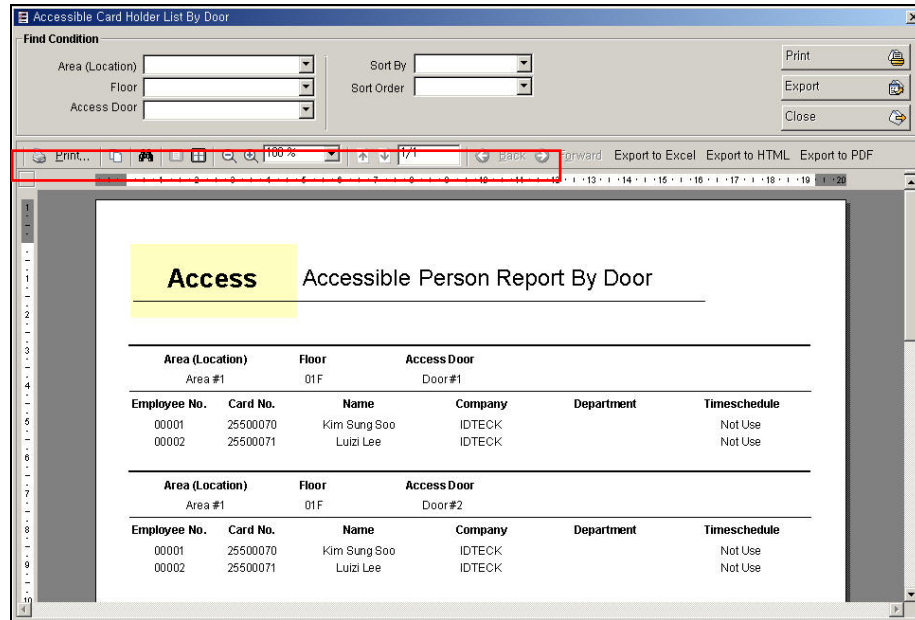
Area (Location)
 Floor
 Access Door

Sort By
 Sort Order

Print
 Export
 Close

Print... Find Zoom 100% Back Forward Export to Excel Export to HTML Export to PDF

- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

Visitor Event List

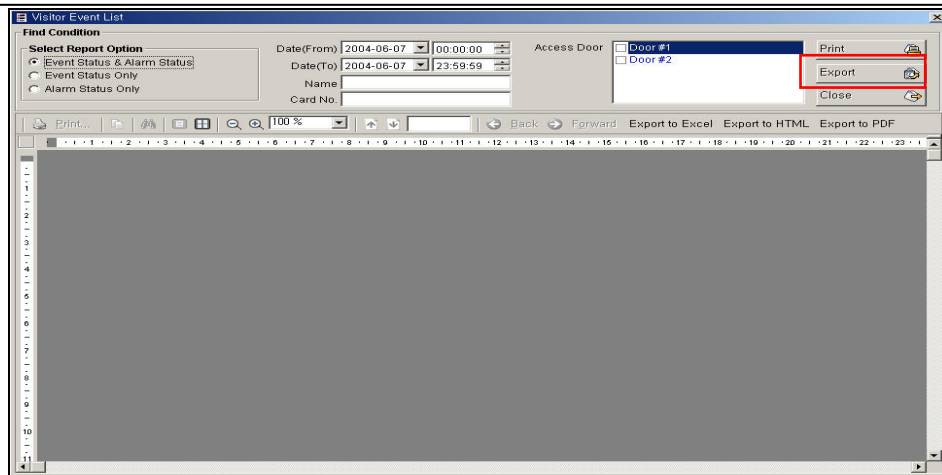
This function searches and prints registered visitors' access event status data. This data is stored in database and the user search and print this data using date and time as basis.

■ Start

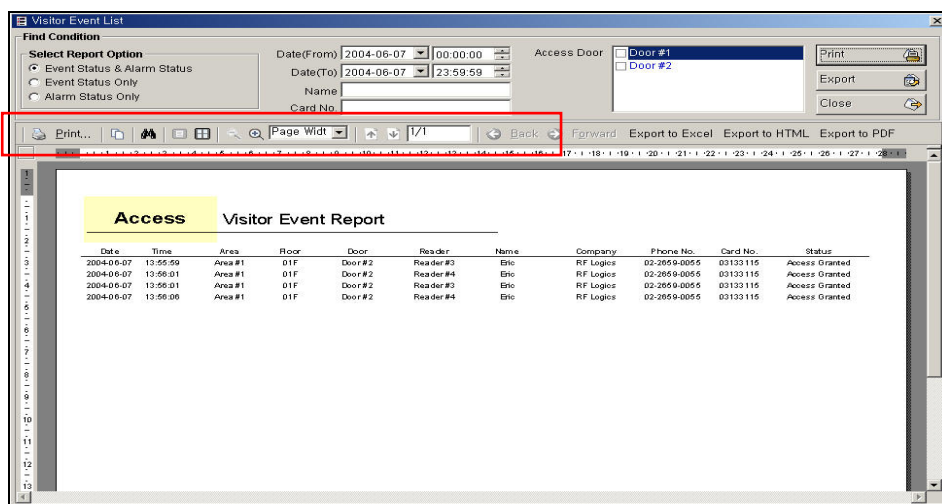
Click Report->Visitor Event List or press shortcut key Ctrl+F11.

■ Print

It will print out Visitor Event List.



- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

Last Access Event Report

This report is based on Last Access Event data to locate the current site the user is at, using the event occurrence data to search and print out.

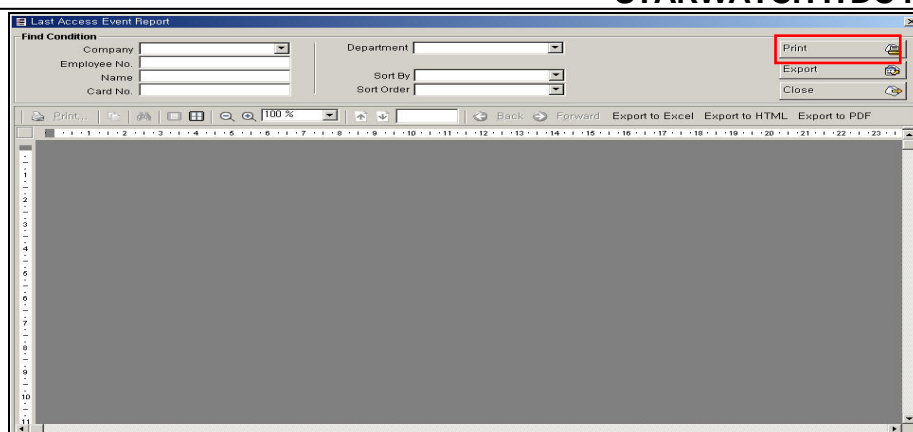
This data when used with iTDC controller Antipassback function can create accurate data, but if Antipassback is not used, the resulting data cannot be seen as accurate.

■ Start

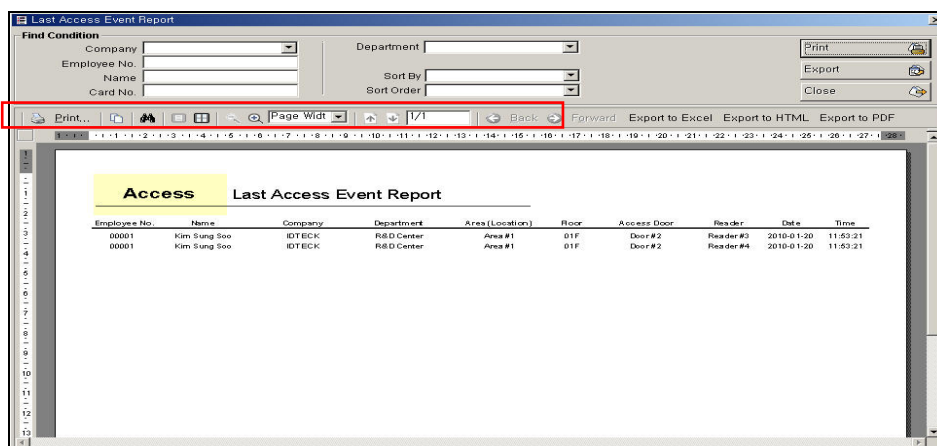
Click Report->Last Access Event Report or press shortcut key Ctrl+F12.

■ Print

It will print out Last Access Event Report.



- 1) Input Date (From), Date (To), and time period for each date.
- 2) Select other items as appropriate.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.



- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

Time & Attendance

This chapter explains Time & Attendance in detailed use instruction.

Time & Attendance

Time/Attendance contains basic data configuration to create each individual time and attendance information. You can make inquiries to retrieve the information. You must configure this function to use Time/Attendance.

Work Time Definition

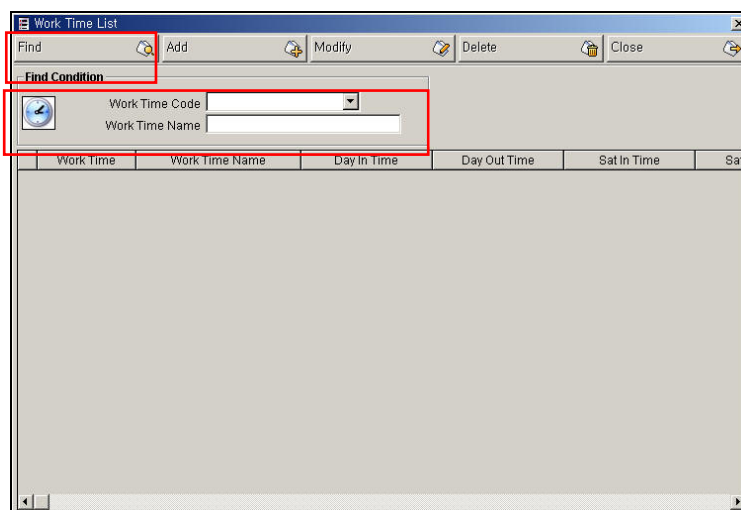
For Work Time Definition, work code is created to configure daily attendance, Saturday attendance, lunch hour, extension start hour, and next day standard hour.

- Start

Click Time/Attendance->Work Time Definition or press shortcut key Shift + F2.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



- 1) Select the Work Time Code and input Work Time Name as appropriate.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add work time through input screen.

- 1) The following screen appears after clicking Add.

- 2) Input Work Time Code (It must not be duplicated)
- 3) Input Work Time Name.
- 4) Configure each Time.

Configure Lunch Out/In time. This information will be used at monthly end category to deduct or include total time of lunch taken to calculate total hours worked.

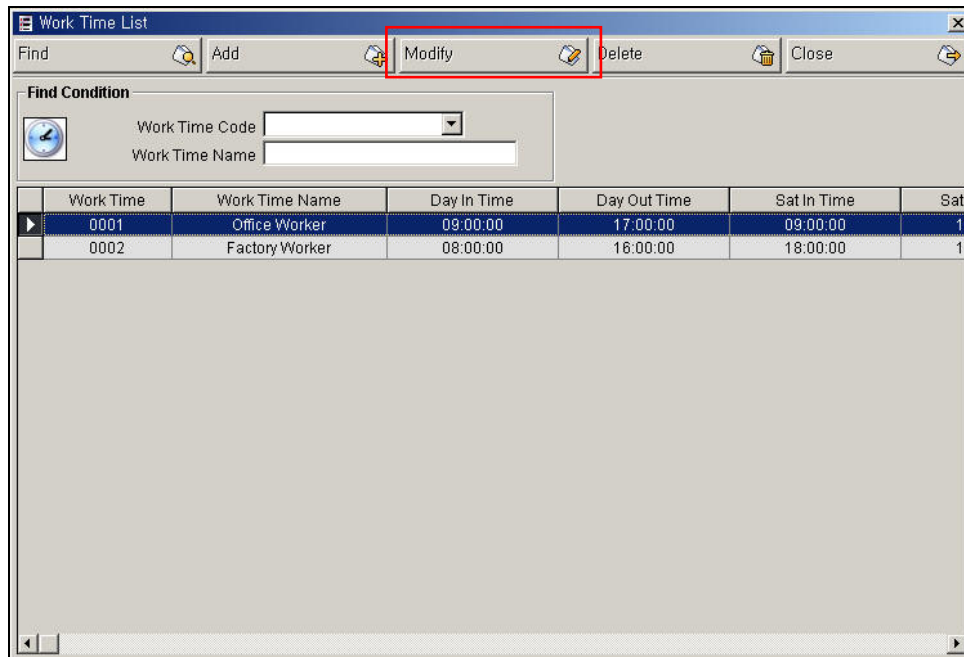
Overtime is described as work performed after end of work schedule.

- 5) Once input is completed, click Save button to save data.
- 6) Click Close button to finish.

■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered work time category.

Selected data is displayed as below figure in highlighted blue bar.



The screenshot shows a window titled 'Work Time List'. At the top, there are buttons for 'Find', 'Add', 'Modify' (highlighted with a red rectangle), 'Delete', and 'Close'. Below these buttons is a 'Find Condition' section with a magnifying glass icon and two input fields: 'Work Time Code' and 'Work Time Name'. Below the input fields is a table with the following data:

	Work Time	Work Time Name	Day In Time	Day Out Time	Sat In Time	Sat
▶	0001	Office Worker	09:00:00	17:00:00	09:00:00	1
	0002	Factory Worker	08:00:00	16:00:00	18:00:00	1

- 1) Click Modify to see the above screen. The Work Time List is equal to registration screen. Therefore, the Work Time Code cannot be changed.
- 2) Modify the items that need changing.
- 3) Click Save button to save the modified information. Click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered port list data.

Selected data is displayed as below figure in highlighted blue bar.

Work Time	Work Time Name	Day In Time	Day Out Time	Sat In Time	Sat
0001	Office Worker	09:00:00	17:00:00	09:00:00	1
0002	Factory Worker	08:00:00	16:00:00	18:00:00	1

- 4) Click Delete button. Click Yes button to delete or No button to cancel.

Work Holiday Definition

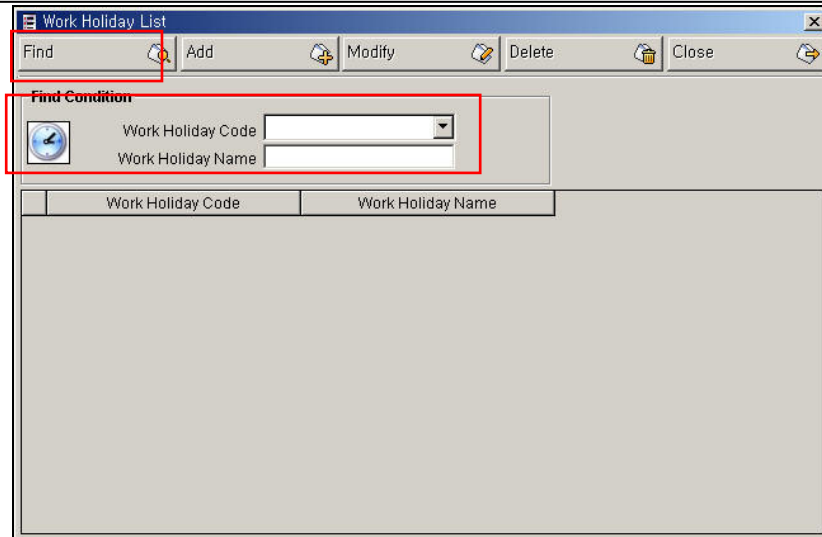
Work Holiday Definition function configures work holiday to exclude from total attendance calculation.

■ Start

Click Time/Attendance->Work Holiday Definition or press shortcut key Shift+F3.

■ Find

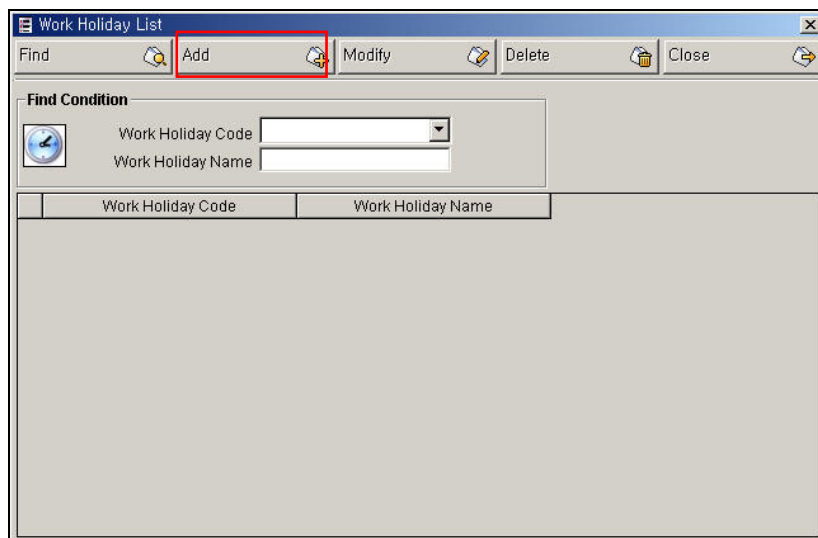
Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.



- 1) Select the appropriate Holiday Code and Holiday Name.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create fresh data. Click Add button to add work holiday through input screen.



- 1) The following screen appears after clicking Add.

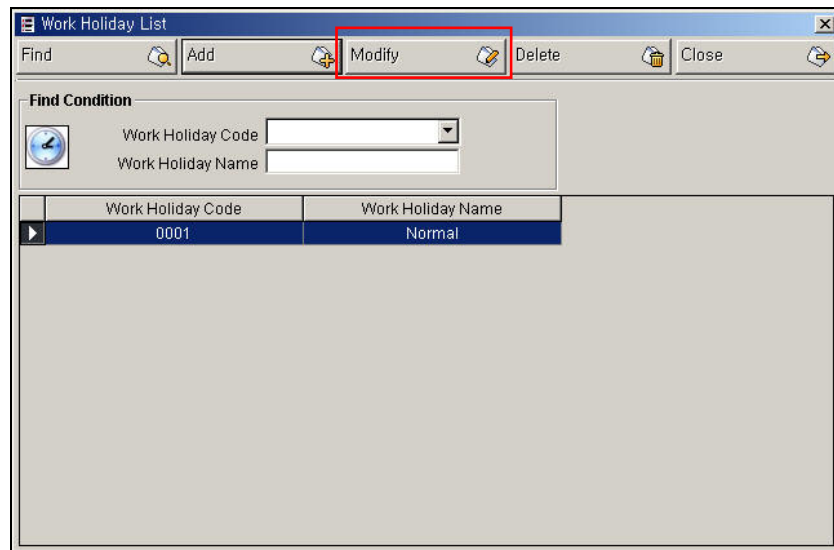
- 2) Input Work Holiday Code. (It must not be duplicated)
- 3) Input Work Holiday Name.
- 4) Input Work Holiday Date Name.
- 5) Click the work holiday date twice or select the date then press >> button.

- 6) From the Selected Work Holiday Date list, delete the date by double clicking or selecting date and clicking << button.
- 7) Click Save button to save data, and click Close button to finish.

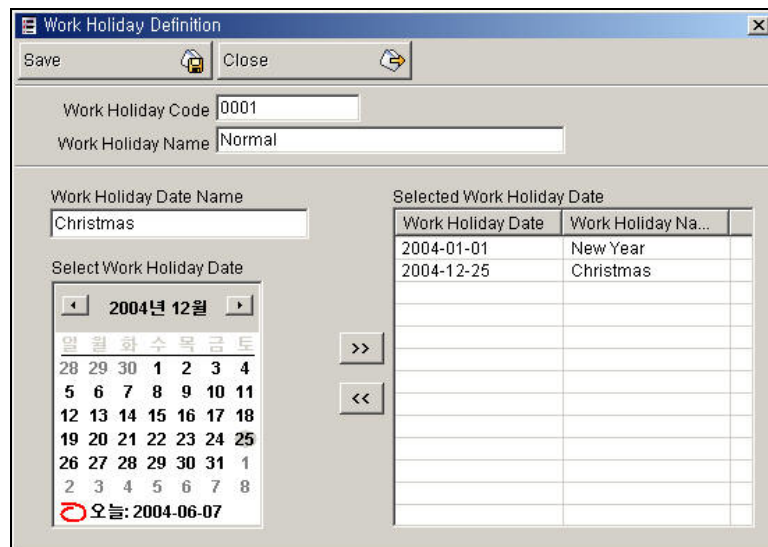
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered work holiday category.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify button.
- 2) Click Modify to see the following screen. The Work Holiday screen is equal to registration screen. Therefore, the Work Holiday Code cannot be changed, except the holiday date included in selected holiday code.



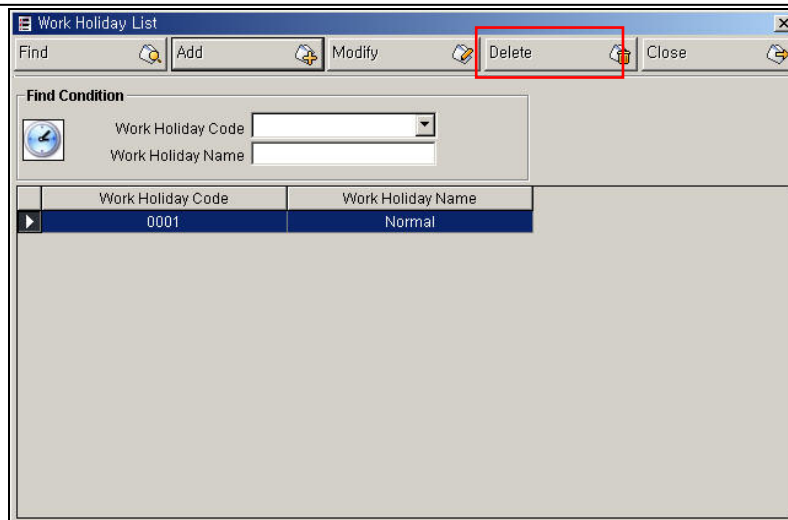
Modify the items to be changed.

- 3) Click Save button to save data, and click Close button to finish.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered work holiday list data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Work Type Definition

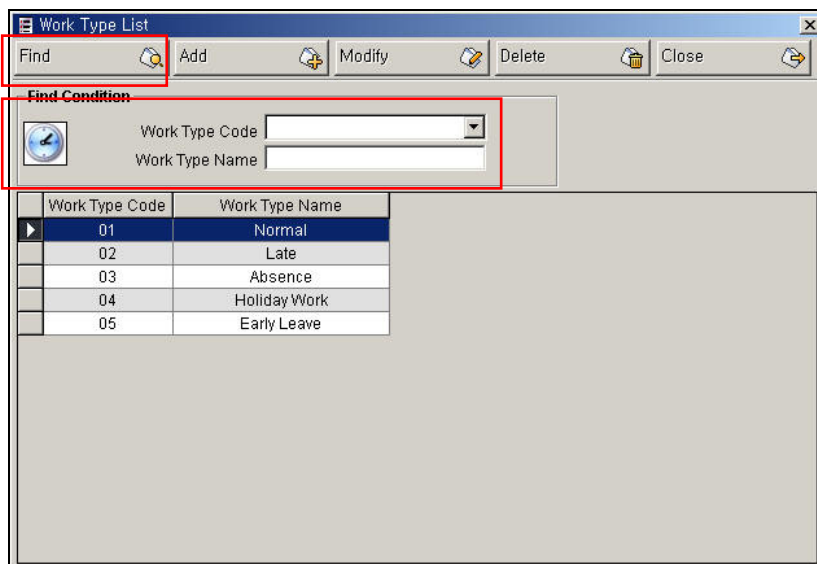
Work Type Definition configures late, leaving early, absence, business trip into work type code.

■ Start

Click Time/Attendance->Work Type Definition or press shortcut key Shift+F4.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

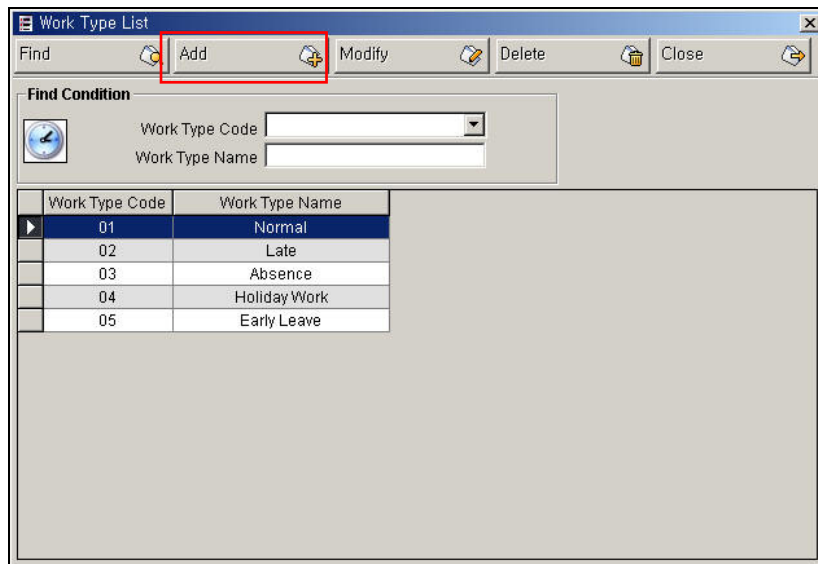


- 1) Select the appropriate Work Type Code and Work Type Name.
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information.

■ Add

Add is used to create fresh data. Click Add button to add work type data through input screen.



1) Click Add button, and the following screen appear.

Work Type Code

Work Type Name

Work Type Code

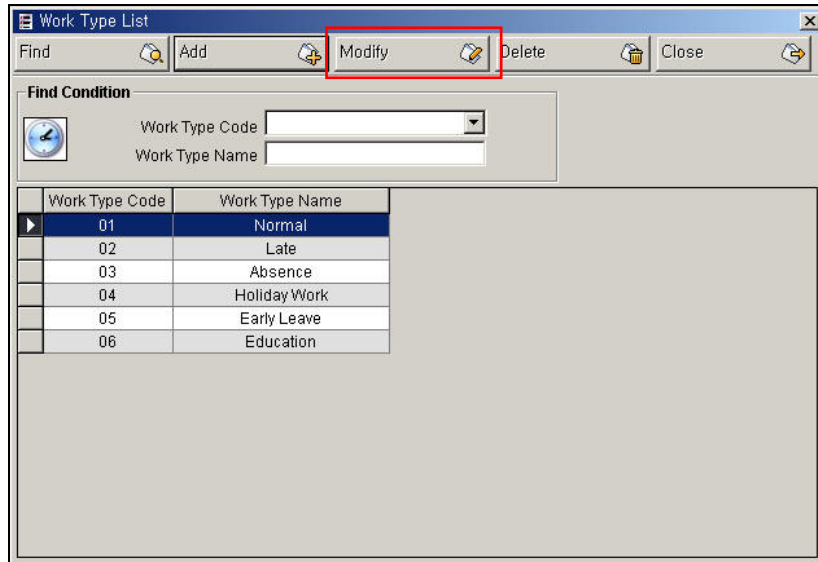
Work Type Name

- 2) Input Work Type Code.
- 3) Input Work Type Name.
- 4) Click Save button to save data.
- 5) Click Close button to finish.

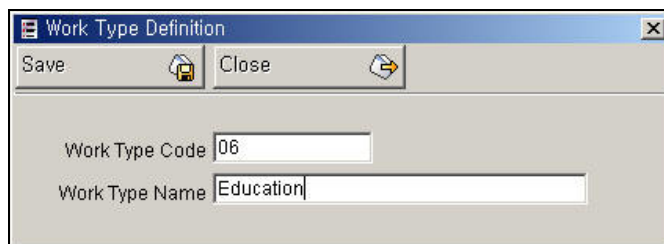
■ Modify

Modify is used to change existing data inputted. Find data to modify or to change registered work type list.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Modify to see the following screen. The Work Type Definition screen is equal to registration screen. Therefore, the Work Type Code cannot be changed.



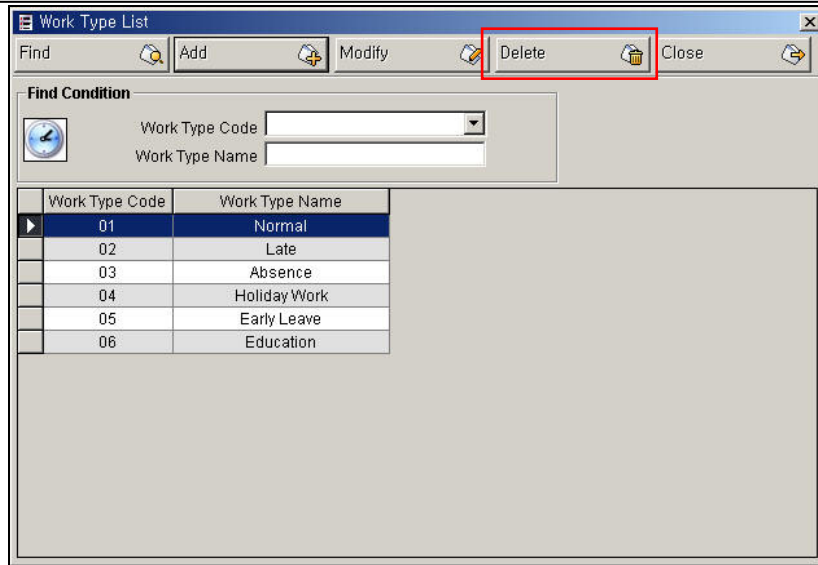
- 2) Modify Work Type Name.
- 3) Click Save button to save data.
- 4) Click Close button to finish.

Work Type Code 01, 02, 03, 04 and 05 is configured as default value for Normal, Late, Absence, and Holiday work. This value cannot be modified or deleted.

■ Delete

Delete is used to delete existing inputted data. Find data to delete or to delete registered work holiday list data.

Selected data is displayed as below figure in highlighted blue bar.



- 1) Click Delete button. Click Yes button to delete or No button to cancel.

Work Options

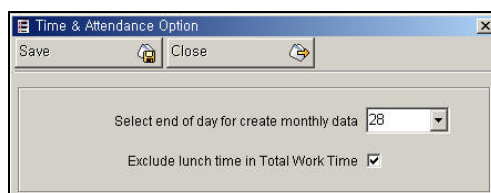
In Work Options, you can configure selection of monthly data end of day, and decide whether the lunch hour will be excluded or included from total work hour.

■ Monthly Data End of Day

Monthly Data End of Day describes the end of date for month.

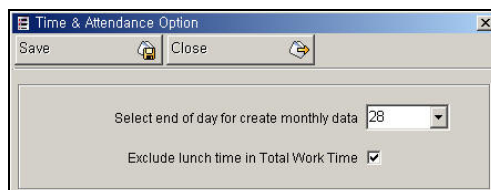
If monthly data end of day is selected as 25th end date, it will calculate from last month 26th up to selected month of 25th as end date basis create this month data.

If 0 is selected, the correlating month's last date is automatically calculated.



■ Lunch Hour Exclude Configuration

Configure whether lunch hour is included in total work hour.



Select Except lunch time in Total Work Time, if lunch hour is excluded from total work time. Otherwise, do not select if including into total work hour.

Click Save button to save time attendance option, then click Close button to finish.

If Monthly Data End of Day is not configured, Monthly End is not activated.

Daily Data Management

Daily Data Management creates data from individually configured work time and work holiday using present normal access event data. This is called daily end data.

- Start

Click Time/Attendance->Daily Data Management or press shortcut key Shift+F5.

- Create Work Data

Create Work Data creates data from individually configured work time and work holiday using normal access event data. The created data is differentiated from normal access event, and saved as a separate data.

- 1) Select the From/To date for creating work data.

- 2) Click Create Data button to begin work data.

If there is no data, it will display a message as no data. If there is data, a progress bar is shown in relation to data creation progress.

- 3) Once completed, click OK button to finish data creation.

■ Find Daily Work Data

Find Daily Work Data is used to get relevant information pertaining to the inquiry when information is available. It is used to modify existing data information to send out, or when incorrect attendance data is found.

- 1) Select the From/To date for creating work data.

- 2) Sort by date, company, department, employee ID, name, and attendance type as appropriate.
- 3) Select view format.
- 4) Select as View Minute or View Hour to see late, absence, overtime, and special duty by attendance type.
- 5) Click Find to make inquiry. If result is found, the data is displayed.

Manage Daily Work Data

Create Daily Work Data

From: 2004-06-07 To: 2004-06-07

Create Data

Find Daily Work Data

From: 2004-06-07 To: 2004-06-07

Company: Department: Employee No.: Name: Work Type:

Sort by: View Minute View Hour

Find Export Close

100% 100%

Work Date	Employee No.	Name	Work In Time	Work Area	Work Out Date	Work Out Time	Work Out Area	Late
2004-06-07	00001	Kim Sung Soo	13:48:45	Reader #3	2004-06-07	13:48:52	Reader #4	288
2004-06-07	00002	Lutz Lee	---	---	2004-06-07	---	---	0

■ Abnormal Attendance Data Modification

After performing work data, you can check the daily attendance result by inquiry. If modification is needed, double click the result to open the modification screen.

Manage Daily Work Data

Create Daily Work Data

From: 2004-06-07 To: 2004-06-07

Create Data

Find Daily Work Data

From: 2004-06-07 To: 2004-06-07

Company: Department: Employee No.: Name: Work Type:

Sort by: View Minute View Hour

Find Export Close

100% 100%

Work Date	Employee No.	Name	Work In Time	Work Area	Work Out Date	Work Out Time	Work Out Area	Late
2004-06-07	00001	Kim Sung Soo	13:48:45	Reader #3	2004-06-07	13:48:52	Reader #4	288
2004-06-07	00002	Lutz Lee	---	---	2004-06-07	---	---	0

Click the data to be modified with double click

- 1) Click the data to be modified with 2 clicks on a mouse. It will activate the screen below.

- 2) Entry Date, Employee ID, and Name cannot be modified. Work In Date/Time, Work Out Date/Time, Late, Early Leave, Overtime, Extra Time, and Work Type can be modified.
- 3) If No Update is selected, the work data performed once more will not update the modified data.
- 4) If modification is completed, click Save button to save data.
- 5) Click Close button to finish.

If the work-closing will be updated, event data is resorted by time & attendance setting value. But this will be available to update for event data when the modification date is the same of original entry date, otherwise it can not be update if the user check for invalid update when the all data closing.

If modifying attendance data, you need to find the data results in minutes. Otherwise, the data results in hour cannot be modified. Find the data results in minutes to allow modification to the attendance data.

Monthly work data uses Daily work data as basis. If daily work data is modified, it will reflect to monthly work data.

■ Export

This function sends out work data as text file or Excel file format. The files exported can be used in other attendance and wage software, or connected to an ERP system to be used efficiently.

Work Date	Employee No.	Name	Work In Time	Work Area	Work Out Date	Work Out Time	Work Out Area	Late
2004-06-07	00001	Kim Sung Soo	13:48:45	Reader #3	2004-06-07	13:48:52	Reader #4	288
2004-06-07	00002	Lutzi Lee	--:--:--		2004-06-07	--:--:--		0

- 1) Click Find button to make inquiry.
- 2) Click Export button, and the following screen appears.

- 3) Designate folder to save into.
- 4) Input file format.
- 5) Select text file or Excel file for export format.
- 6) Click Save button to save file.

If text file is selected for export, the following screen appears.

연도	분기	시도(도)	시군구명
2002-01-23	000505	충청남도	당진시
2002-01-24	000505	충청남도	당진시
2002-01-25	000505	충청남도	당진시
2002-01-26	000505	충청남도	당진시
2002-01-28	000505	충청남도	당진시
2002-01-29	000505	충청남도	당진시
2002-01-30	000505	충청남도	당진시
2002-01-31	000505	충청남도	당진시
2002-02-01	000505	충청남도	당진시
2002-02-02	000505	충청남도	당진시
2002-02-03	000505	충청남도	당진시
2002-02-04	000505	충청남도	당진시
2002-02-05	000505	충청남도	당진시
2002-02-06	000505	충청남도	당진시
2002-02-07	000505	충청남도	당진시
2002-02-08	000505	충청남도	당진시
2002-02-09	000505	충청남도	당진시
2002-02-10	000505	충청남도	당진시
2002-02-11	000505	충청남도	당진시
2002-02-12	000505	충청남도	당진시
2002-02-13	000505	충청남도	당진시
2002-02-14	000505	충청남도	당진시
2002-02-15	000505	충청남도	당진시
2002-02-16	000505	충청남도	당진시
2002-02-18	000505	충청남도	당진시
2002-02-19	000505	충청남도	당진시
2002-02-20	000505	충청남도	당진시
2002-02-21	000505	충청남도	당진시
2002-02-22	000505	충청남도	당진시
2002-02-23	000505	충청남도	당진시
2002-02-24	000505	충청남도	당진시
2002-02-25	000505	충청남도	당진시
2002-02-26	000505	충청남도	당진시
2002-02-27	000505	충청남도	당진시
2002-02-28	000505	충청남도	당진시
2002-03-01	000505	충청남도	당진시
2002-03-02	000505	충청남도	당진시
2002-03-03	000505	충청남도	당진시
2002-03-04	000505	충청남도	당진시
2002-03-05	000505	충청남도	당진시
2002-03-06	000505	충청남도	당진시
2002-03-07	000505	충청남도	당진시
2002-03-08	000505	충청남도	당진시
2002-03-09	000505	충청남도	당진시
2002-03-10	000505	충청남도	당진시
2002-03-11	000505	충청남도	당진시
2002-03-12	000505	충청남도	당진시
2002-03-13	000505	충청남도	당진시
2002-03-14	000505	충청남도	당진시
2002-03-15	000505	충청남도	당진시
2002-03-16	000505	충청남도	당진시
2002-03-18	000505	충청남도	당진시
2002-03-19	000505	충청남도	당진시

Microsoft Excel - Luis														
D:\Program Files\Microsoft Office\Office\EXCEL\WORK_DATE_1														
A	WORK_DATE	B	C	D	E	F	G	H	I	J	K	L	M	N
1	WORK_DATE	PERSON	NAME	COMPANY	DEPARTMENT	TITLE	CARDNO	TANAME	HOLIDAY	IN_DATE	IN_TIME	LOC	OUT_DATE	M
2	2002-01-23	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-23	-----		2002-01-24	
3	2002-01-24	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-24	-----		2002-01-25	
4	2002-01-25	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-25	-----		2002-01-26	
5	2002-01-26	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-26	-----		2002-01-27	
6	2002-01-28	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-28	-----		2002-01-29	
7	2002-01-29	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-29	-----		2002-01-30	
8	2002-01-30	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-30	-----		2002-01-31	
9	2002-01-31	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-01-31	-----		2002-02-01	
10	2002-02-01	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-01	-----		2002-02-02	
11	2002-02-02	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-02	-----		2002-02-03	
12	2002-02-03	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-03	-----		2002-02-04	
13	2002-02-05	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-05	-----		2002-02-06	
14	2002-02-06	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-06	-----		2002-02-07	
15	2002-02-07	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-07	-----		2002-02-08	
16	2002-02-08	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-08	-----		2002-02-09	
17	2002-02-09	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-09	-----		2002-02-10	
18	2002-02-11	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-11	-----		2002-02-12	
19	2002-02-12	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-12	-----		2002-02-13	
20	2002-02-13	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-13	-----		2002-02-14	
21	2002-02-14	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-14	-----		2002-02-15	
22	2002-02-15	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-15	-----		2002-02-16	
23	2002-02-16	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-16	-----		2002-02-17	
24	2002-02-18	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-18	-----		2002-02-19	
25	2002-02-19	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-19	-----		2002-02-20	
26	2002-02-20	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-20	-----		2002-02-21	
27	2002-02-21	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-21	-----		2002-02-22	
28	2002-02-22	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-22	-----		2002-02-23	
29	2002-02-23	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-23	-----		2002-02-24	
30	2002-02-24	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-24	-----		2002-02-25	
31	2002-02-26	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-26	-----		2002-02-27	
32	2002-02-27	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-27	-----		2002-02-28	
33	2002-02-28	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-02-28	-----		2002-02-29	
34	2002-03-01	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-01	-----		2002-03-02	
35	2002-03-02	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-02	-----		2002-03-03	
36	2002-03-04	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-04	-----		2002-03-05	
37	2002-03-05	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-05	-----		2002-03-06	
38	2002-03-06	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-06	-----		2002-03-07	
39	2002-03-07	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-07	-----		2002-03-08	
40	2002-03-08	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-08	-----		2002-03-09	
41	2002-03-09	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-09	-----		2002-03-10	
42	2002-03-10	55	Luis	Luis Compa	R&D	Center Employee	25500070	1		2002-03-10	-----		2002-03-11	

Monthly Data Management

Monthly Data Management uses work data as basis to get total of individual type monthly attendance data.

- Start

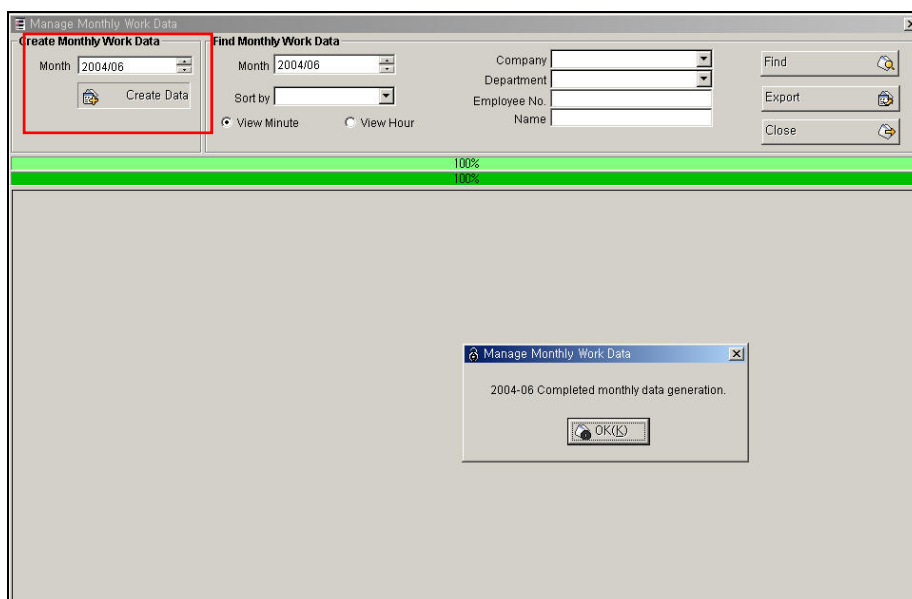
Click Time/Attendance->Monthly Data Management or press shortcut key Shift+F6.

- Create Data

Work data is used as basis to create Monthly Work Data. Work data's monthly total data is created by individual type monthly total data.

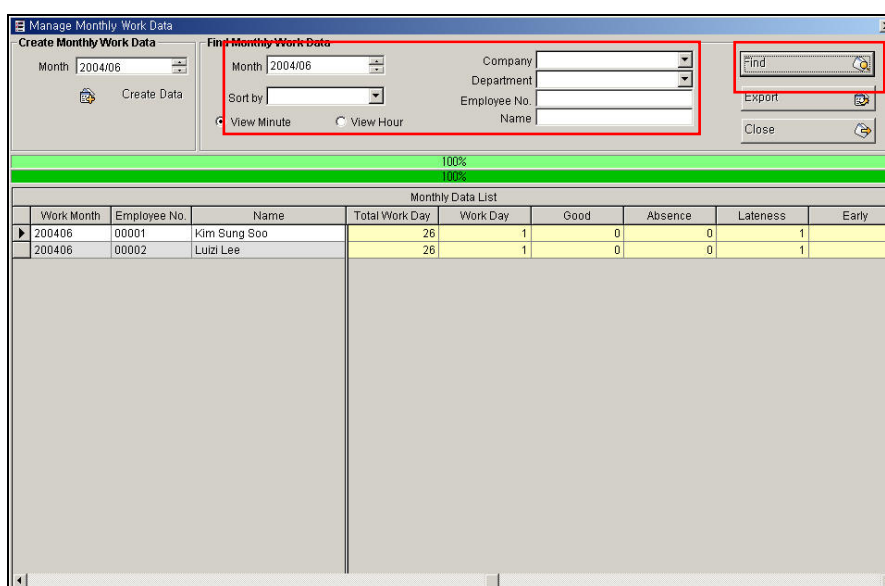
- 1) Select Monthly Work Data. This data is calculated using time attendance option configuration as basis. If configuring date as 25th end date, it will calculate from last month 26th up to selected month of 25th as end date.

- 2) Click Create Data button begin data creation.



Find Monthly Work Data

This is used to find data created in Monthly Work Data.



- 1) Select Month, Company, Department, Employee ID, and Name as appropriate.

- 2) Select view option as View Minute or View Hour.
- 3) Click Find button to begin Monthly Work Data inquiry. If data is found, it will display in the screen.

Work Month	Employee No.	Name	Total Work Day	Work Day	Good	Absence	Lateness	Early
2004/06	00001	Kim Sung Soo	26	1	0	0	1	
2004/06	00002	Luizi Lee	26	1	0	0	1	

■ Exporting Monthly Work Data

Monthly Work Data can be exported in same manner as Work Data. It can be sent as text file or Excel file to be used in other software.

Yearly Data Management

Yearly Data Management uses Monthly Data as basis to calculate total annual time attendance data for data creation. Data to be created is agreed with Monthly Data.

■ Start

Click Time/Attendance->Yearly Work Data or press shortcut key Shift+F7.

■ Create Data

Monthly data is used as basis for selected year's monthly total data to create time attendance data.

The screenshot shows the 'Yearly Work Data' window with the 'Create Yearly Work Data' tab selected. The 'Year' dropdown is set to 2004. The 'Create Data' button is highlighted with a red box. The 'Find Yearly Work Data' tab is also visible, showing search criteria for Company, Department, Employee No., and Name, along with 'Sort by' and 'View Minute/View Hour' options. The 'Find', 'Export', and 'Close' buttons are on the right.

- 1) Select Year for yearly data.
- 2) Click Create Data button to begin yearly work data creation.

■ Find Yearly Work Data

This finds the completed yearly work data through inquiry. It is used to check yearly work data or exporting the data.

The screenshot shows the 'Yearly Work Data' window with the 'Find Yearly Work Data' tab selected. The search criteria fields (Year, Company, Department, Employee No., Name) and the 'Find' button are highlighted with red boxes. The 'Create Yearly Work Data' tab is also visible, showing the 'Year' dropdown and 'Create Data' button. The 'Find', 'Export', and 'Close' buttons are on the right.

- 1) Select Year, Company, Department, Employee ID, and Name as appropriate.
- 2) Select view option as View Minute or View Hour, then click Find button.

If data is found, it will display as following screen.

Work Year	Employee No.	Name	Total Work Day	Work Day	Good	Absence	Lateness	Early
2004	00001	Kim Sung Soo	26	1	0	0	1	
2004	00002	Luiz Lee	26	1	0	0	1	

- Exporting Yearly Work Data

Yearly Work Data can be exported in same manner as Work Data. It can be sent as text file or Excel file to be used in other software.

Attendance Report (Individual/Daily)

Individual/Daily Report is outputted using work attendance data as basis. This report displays Start work, Finish work, Late, Leave, Absence, and abnormal attendance modified data.

- Start

Click Time/Attendance->Individual/Daily Report or press Shift + F8 on keyboard.

- Find and Print

Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.

- 1) Select type of Attendance Report.

*Individual Attendance Report find is From/To date of individual type data.
Daily Attendance Report find is From/To date of daily type data.*

- 2) Input Find Condition.
- 3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.

Attendance Individual Report

Date	Work In	Work Out	Late Time	Early Leave	Over Time	Extra Time	Work Type	Note
Entry Date 2004-06-07 - 2004-06-07								
Employee No. 00001								
Name Kim Sung Soo								
Company IDTECK								
Department R&D Center								
Title Researcher								
2004-06-07 (Mon)	2004-06-07 13:48:45	2004-06-07 13:48:52	288	192	0	0	Late	

Attendance Daily Report

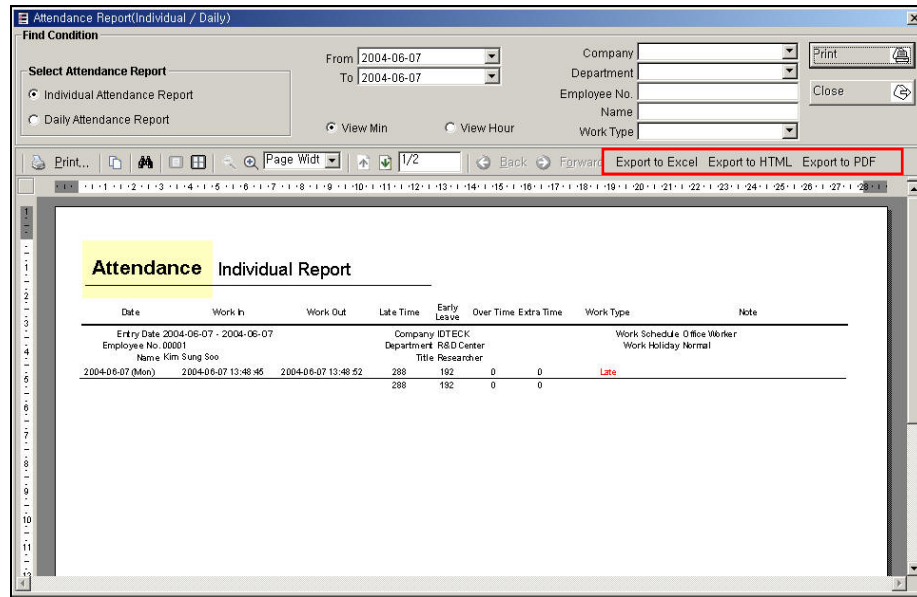
Employee No.	Name	Department	Work In	Work Out	Late Time	Early Leave	Over Time	Extra Time	Work Type
Date 2004-06-07 (Mon)									
00001	Kim Sung Soo	R&D Center	2004-06-07 13:48:45	2004-06-07 13:48:52	288	192	0	0	Late
00002	Lutz Lee	R&D Center	2004-06-07 14:27:39	2004-06-07 14:27:41	327	153	0	0	Late

- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

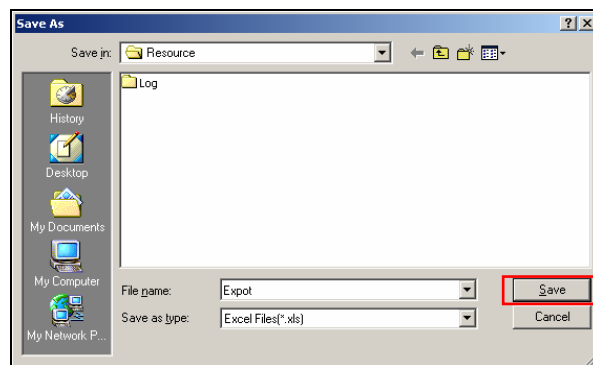
- File Conversion (Export)

All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



- ✓ Export To Excel: Excel report file is created as appearing in print image.
- ✓ Export To HTML: HTML report file is created as appearing in print image.
- ✓ Export To PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

- 1) Click the button for the type of file conversion.
- 2) The following screen will appear. Input the file name and designate a folder location.



- 3) Click Save button. Depending on file conversion type, it may take some time to complete.

There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

- 4) Once conversion is completed, you can open the converted file to check file image.

Attendance Individual Report

Date	Work In	Work Out	Late Time	Early Leave	Over Time	Extra Time	Work Type	Note
2002-01-23 (Wed)							Absence	
2002-01-24 (Thu)							Absence	
2002-01-25 (Fri)							Absence	
2002-01-26 (Sat)							Absence	
2002-01-28 (Mon)							Absence	
2002-01-29 (Tue)							Absence	
2002-01-30 (Wed)							Absence	
2002-01-31 (Thu)							Absence	
2002-02-01 (Fri)							Absence	
2002-02-02 (Sat)							Absence	
2002-02-04 (Mon)							Absence	
2002-02-05 (Tue)							Absence	
2002-02-06 (Wed)							Absence	
2002-02-07 (Thu)							Absence	
2002-02-08 (Fri)							Absence	

Opened converted to Excel file

Attendance Individual Report

Date	Work In	Work Out	Late Time	Early Leave	Over Time	Extra Time	Work Type	Note
2002-01-23 (Wed)							Absence	
2002-01-24 (Thu)							Absence	
2002-01-25 (Fri)							Absence	
2002-01-26 (Sat)							Absence	
2002-01-28 (Mon)							Absence	
2002-01-29 (Tue)							Absence	
2002-01-30 (Wed)							Absence	
2002-01-31 (Thu)							Absence	
2002-02-01 (Fri)							Absence	
2002-02-02 (Sat)							Absence	
2002-02-04 (Mon)							Absence	
2002-02-05 (Tue)							Absence	
2002-02-06 (Wed)							Absence	
2002-02-07 (Thu)							Absence	
2002-02-08 (Fri)							Absence	
2002-02-09 (Sat)							Absence	
2002-02-11 (Mon)							Absence	
2002-02-12 (Tue)							Absence	
2002-02-13 (Wed)							Absence	
2002-02-14 (Thu)							Absence	
2002-02-15 (Fri)							Absence	
2002-02-16 (Sat)							Absence	
2002-02-18 (Mon)							Absence	
2002-02-19 (Tue)							Absence	
2002-02-20 (Wed)							Absence	
2002-02-21 (Thu)							Absence	
2002-02-22 (Fri)							Absence	

Opened converted to HTML file

Attendance Individual Report

Date	Work In	Work Out	Late Time	Early Leave	Over Time	Extra Time	Work Type	Note
2002-01-23 (Wed)							Absence	
2002-01-24 (Thu)							Absence	
2002-01-25 (Fri)							Absence	
2002-01-26 (Sat)							Absence	
2002-01-28 (Mon)							Absence	
2002-01-29 (Tue)							Absence	
2002-01-30 (Wed)							Absence	
2002-01-31 (Thu)							Absence	
2002-02-01 (Fri)							Absence	
2002-02-02 (Sat)							Absence	
2002-02-04 (Mon)							Absence	
2002-02-05 (Tue)							Absence	
2002-02-06 (Wed)							Absence	
2002-02-07 (Thu)							Absence	
2002-02-08 (Fri)							Absence	
2002-02-09 (Sat)							Absence	
2002-02-11 (Mon)							Absence	
2002-02-12 (Tue)							Absence	
2002-02-13 (Wed)							Absence	
2002-02-14 (Thu)							Absence	
2002-02-15 (Fri)							Absence	
2002-02-16 (Sat)							Absence	
2002-02-18 (Mon)							Absence	
2002-02-19 (Tue)							Absence	
2002-02-20 (Wed)							Absence	
2002-02-21 (Thu)							Absence	
2002-02-22 (Fri)							Absence	

Opened converted to PDF file

Attendance Report (Monthly/Yearly)

Monthly/Yearly report can be printed using Monthly Data and Yearly Data as basis. This report is total calculation of Monthly and Yearly work attendance data. Through detailed report, Monthly report can be checked by individual type of 1 month time attendance.

- Start

Click Time/Attendance->Report->Monthly/Yearly Report or press Shift + F9 on keyboard.

■ Find and Print

Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.

1) Select Attendance Report type.

Monthly Attendance Report uses as basis Monthly Work Data to display monthly attendance by individual type. Monthly Attendance Report (Day by Day) displays one month attendance at once to check data.

Yearly Attendance Report uses Yearly Work Data to display current time attendance, and the data is agreed with Monthly Attendance Report.

2) Input Find Condition.

3) Click Print button. If data is found, it will display how it will look when printed. The following screen will appear.

Attendance Report(Monthly / Yearly)

Find Condition

Select Attendance Report

☒ Monthly Attendance Report

☐ Monthly Attendance Report (Day by Day)

☐ Yearly Attendance Report

From 2004/06 To 2004/06

Company Department Employee No. Name

View Min View Hour

Print... Page Width 1/1 Back Forward Export to Excel Export to HTML Export to PDF

Attendance Monthly Report

Employee No.	Name	Department	Total Times					Total Count							
			Work	Late	Early	Over	Extra	Work	Work	Absence	Late	Early	Extra		
Date	2004/06														
00001	Kim Sung Soo	R&D Center	0	288	192	0	0	26	1	0	1	0	0		
00002	Luiz Lee	R&D Center	0	327	153	0	0	26	1	0	1	0	0		

Attendance Report(Monthly / Yearly)

Find Condition

Select Attendance Report

☐ Monthly Attendance Report

☒ Monthly Attendance Report (Day by Day)

☐ Yearly Attendance Report

From 2004/06 To 2004/06

Company Department Employee No. Name

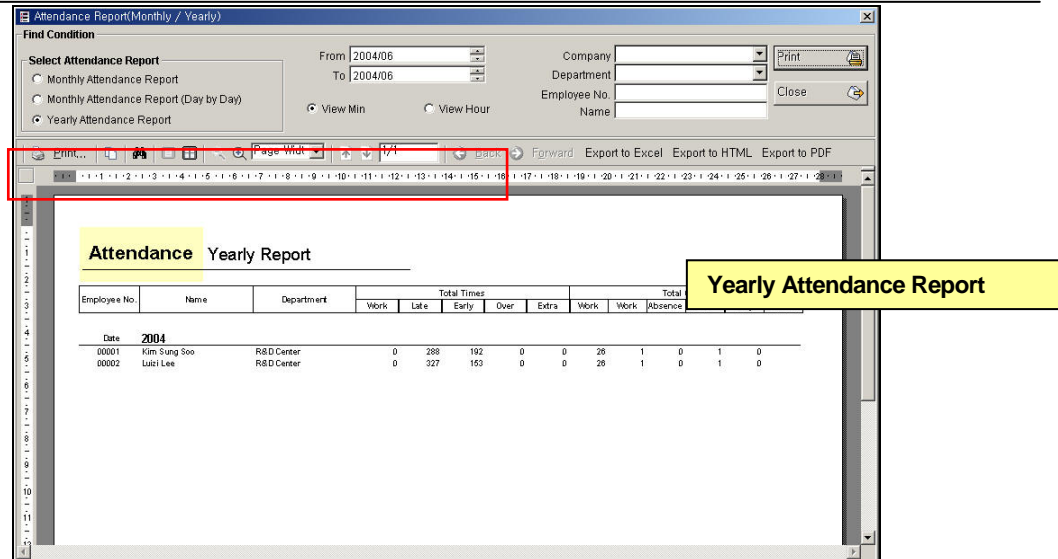
View Min View Hour

Print... Page Width 1/1 Back Forward Export to Excel Export to HTML Export to PDF

Attendance Monthly Report(Day by Day)

Date 2004/06

Employee No.	Name	Department	Total (frequency,Time)																			
			Work(f)	Work(t)	Late(f)	Late(t)	Extra(f)	Extra(t)	Over(f)	Absence(f)	Absence(t)											
00001	Kim Sung Soo	R&D Center	1	1	0	0	1	1	0	0	0	288										
00002	Luiz Lee	R&D Center	1	1	0	0	1	1	0	0	0	327										

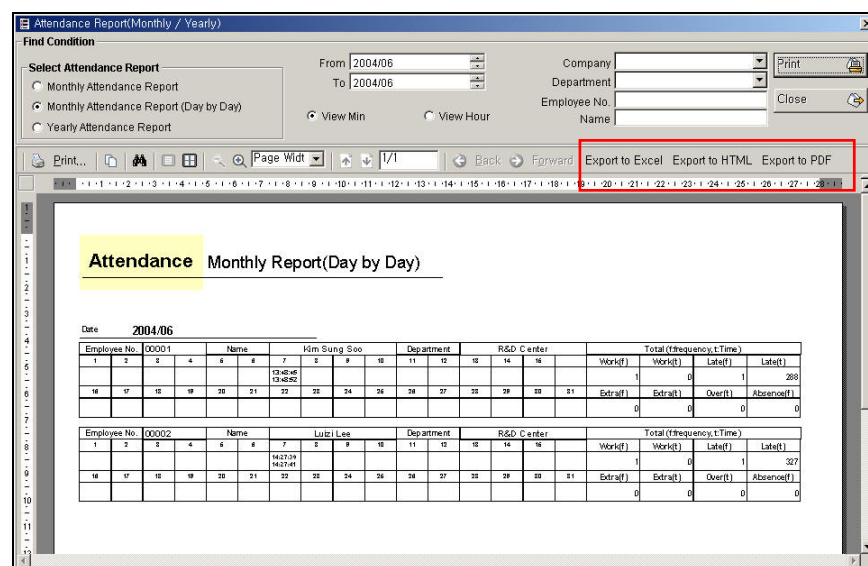


- 4) To obtain print out of this screen, click the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

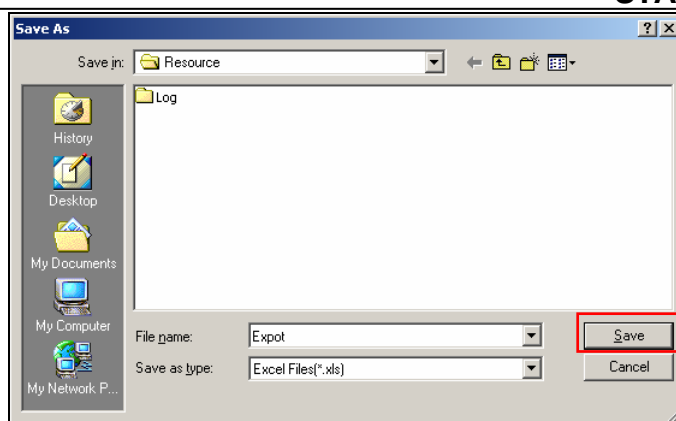
■ File Conversion (Export)

All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



- ✓ Export To Excel: Excel report file is created as appearing in print image.
- ✓ Export To HTML: HTML report file is created as appearing in print image.
- ✓ Export To PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

- 1) Click the button for the type of file conversion.
- 2) The following screen will appear. Input the file name and designate a folder location.



- 3) Click Save button. Depending on file conversion type, it may take some time to complete.

There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

TCP/IP Communication

This chapter explains TCP/IP communication explanation, along with detailed configuration instruction and usage with software.

TCP/IP Communication

TCP/IP communication takes place of existing serial communication, by using the already established network to communicate with the iTDC controller and software.

TCP/IP communication method supported by iTDC is divided into 2 main types. First, there is an internal module that can be used, and an external converter called Neteye1000S using TCP/IP.

If using internal type, each iTDC Controller needs one module and one fixed IP for communication. For instance, if using 10 iTDC Controllers to communicate, it needs 10 modules and 10 fixed IP.

If using external type, Neteye1000S RS422 communication with TCP/IP communication from software to controller can be networked. It can connect 32 iTDC Controllers via RS422 for operation. For instance, if using external type converter, each converter can connect 32 units (Optional 255 units). In this case, one fixed IP is needed for the external TCP/IP converter.

In Usage Case of External TCP/IP converter

If using external converter, it can connect up to a maximum of 32 iTDC Controller units. In this case, the communication must be connected via RS422 method. You can use RS232 or RS422 if external converter has only 1 unit of iTDC connected. If this is the case, it is more convenient to use the internal module instead.

Connection method for external converter in RS232/RS422 is a bit different in wire connection and Piano Switch.

Communication via RS232

RS232 connection must be done in the following. Use a 9 pin female connector to the iTDC RS232 communication as shown below.

■ Connection

iTDC cable	9 pin connector
TXD	#2 pin (RXD)
RXD	#3 pin (TXD)
GROUND	#5 pin (GRD)

■ Piano Switch Configuration



Switch #	Switch Status
1	On(Down)
2	Off(Up)
3	On(Down)
4	Off(Up)
5	On(Down)
6	Off(Up)

Communication via RS422

RS422 connection must be done in the following. Use a 9 pin female connector to the iTDC RS422 communication as shown below.

■ Connection

iTDC	9 pin connector
TX+	#2 pin (RX+)
RX+	#3 pin (TX+)
TX-	#7 pin (RX-)
RX-	#8 pin (TX-)

- Piano Switch Configuration



Switch #	Switch Status
1	Off(Up)
2	On(Down)
3	Off(Up)
4	On(Down)
5	Off(Up)
6	On(Down)

External Converter Configuration Software

Using an external converter for TCP/IP communication requires configuration software, along with an IP and some configuration processes.

- Software Installation

The CD provided contains LAN converter IP configuration and operation status check. Install the software to configure the LAN converter IP from the PC.

- 1) Locate the NetEye1000_Setup.exe file in the CD and click on it to begin installation.



- 2) Click Next button to move on to following step.



- 3) Check the folder the software will be installed on to, then click Install button to begin.



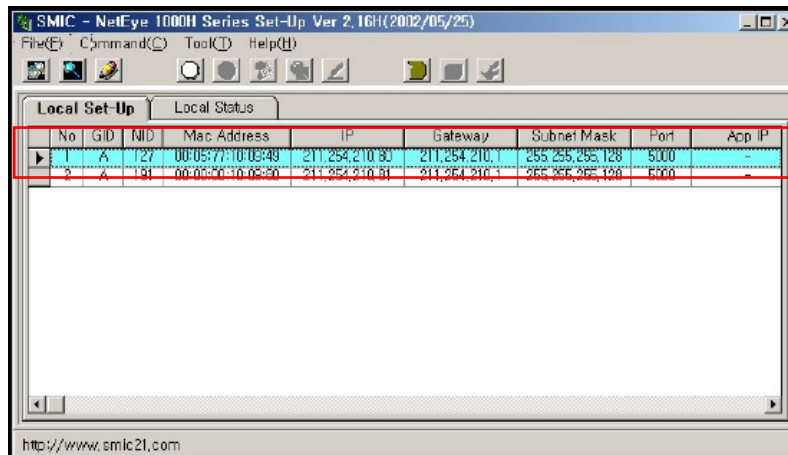
- 4) Once installation is completed, click OK button to finish.

■ IP Configuration

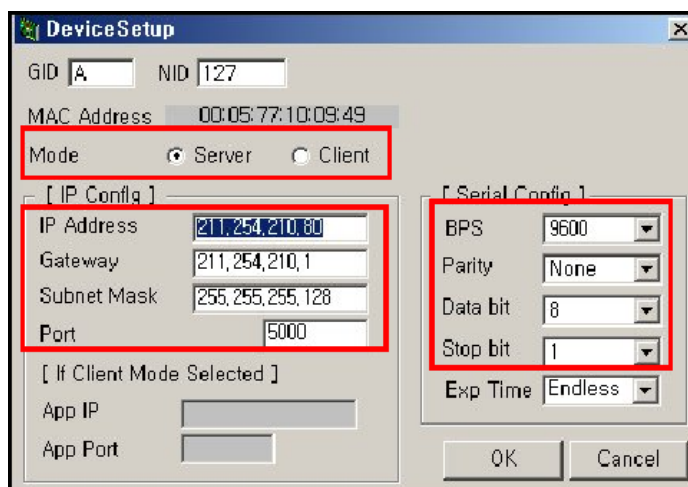
Click Start->Program->NetEye1000 to run software.

Once programming is running, it will display the following screen showing all LAN converters connected to the network.

The figure below shows 2 LAN converters connected.



Each LAN converter needs to configure IP, Gateway, Subnet Mask, and Port. From the above figure, selecting the converter to be configured by double clicking will display the following screen.



User needs to configure the above categories with a value. Modify the IP Address, Gateway, Subnet Mask, but leave the rest with default values.

Category	Setup Value
Mode	Server
IP Address	IP Address received from network(No Duplication)
Gateway	Gateway received from network
Subnet Mask	Subnet Mask received from network

Port	5000
BPS	9600
Parity	None
Data bit	8
Stop bit	1

Click OK button to finish configuration.

In Usage Case of Internal TCP/IP Module

If using internal module, the TCP/IP module needs to be inserted on to the iTDC main board. It uses 1 network line and 1 fixed IP per iTDC Controller.

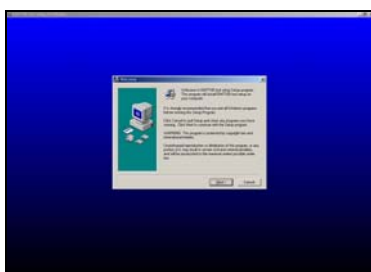
Internal Module Configuration Software

Using an internal module for TCP/IP communication requires configuration software, along with an IP and some configuration processes.

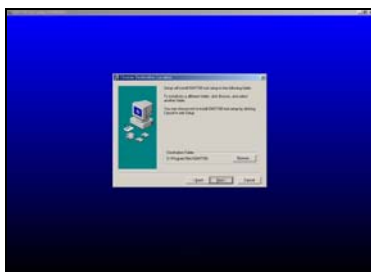
■ Software Installation

The CD provided contains LAN converter IP configuration and operation status check. Install the software to configure the module of IP from the PC.

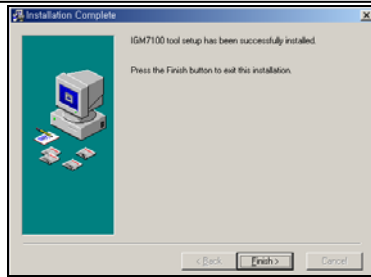
- 1) Locate the file in the CD and click on it to begin installation.



- 2) Click Next button to move on to following step.



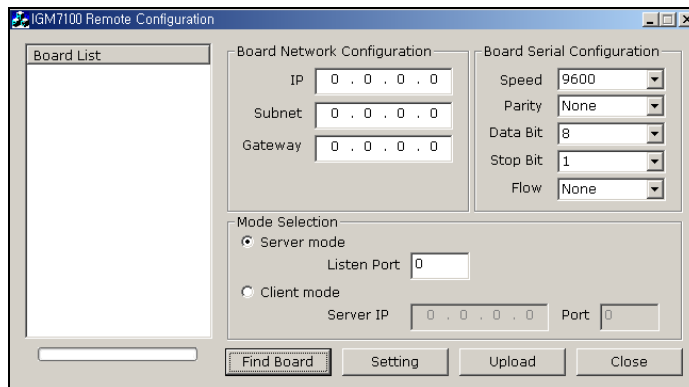
- 3) Check the folder the software will be installed on to, then click Install button to begin.



- 4) Once installation is completed, click Finish button to complete.

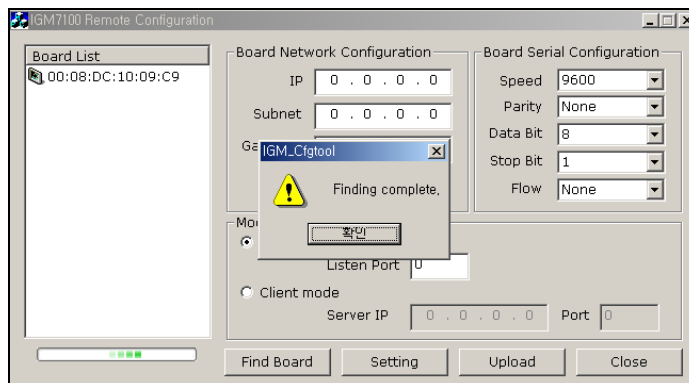
■ IP Configuration

Click Start->Program->IGM7100tool->IGM_Cfgtool to run software.

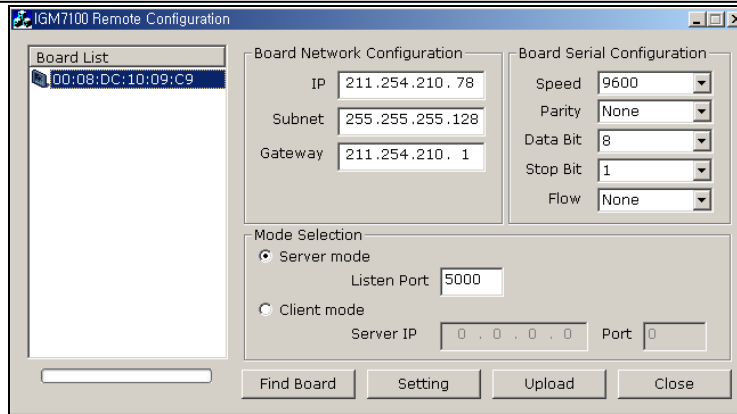


- 1) Once programming is running, it will display the above screen.

Click Find Board button to locate current connected boards.

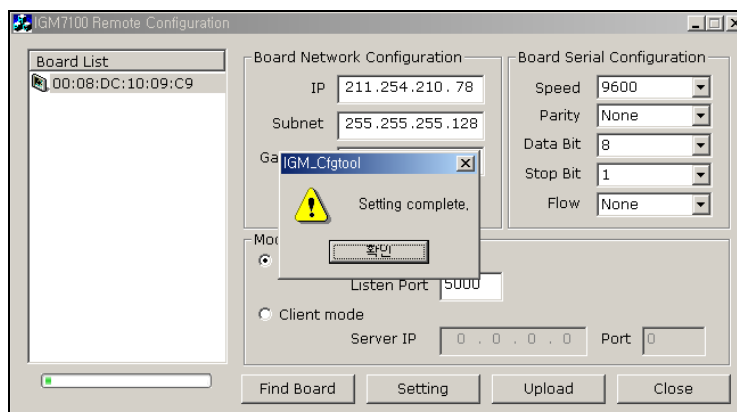


- 2) If the boards are found, it will display the message finding complete. The Board List on the left hand side displays the found board's Mac address.
- 3) Click OK button.



- 4) Select the board to configure.
- 5) Check the selected module's IP, Subnet, Gateway, Speed, Parity, Data Bit, Stop Bit, Flow, and Listen Port then modify if necessary. Also, you must use Server Mode for Mode Selection.

Category	Configuration Value
Mode	Server mode
IP Address	IP Address received from network(No Duplication)
Gateway	Gateway received from network
Subnet Mask	Subnet Mask received from network
Listen Port	5000
BPS	9600
Parity	None
Data bit	8
Stop bit	1



- 6) If configuration is completed, click Setting button to input the data configuration to the module. When finished, it will display a message setting complete. Click OK to finish.

SOFTWARE Configuration**Port Definition**

Port Definition describes the PC connection to Serial and TCP/IP communication loop. It supports up to 99 ports, but depending on PC performance, memory, and OS resources, it may not be possible to use 99 ports. We recommend using adequate number of ports for operation.

- Start

Click System->Port Definition or press shortcut key Ctrl+A.

- Add

Add is used to create fresh data. If adding additional ports, click Add button and input data in the following screen.

- 1) Click Add button, and the following screen appears.

The screenshot shows the 'Loop Definition' window. The 'Loop No.' is set to 01. The 'COM Type' is set to 'Serial Chain'. The 'Active' checkbox is checked. The 'Description' field is empty. The 'Serial Chain' tab is selected, showing settings for 'Com Port' (COM2), 'Speed' (9600), 'Parity Bit' (NONE), 'Data Bit' (8), and 'Stop Bit' (1). A red rectangle highlights the 'Active' checkbox and the 'Serial Chain' tab area.

- 2) Select Comm Type as Serial Chain for Serial, TCP/IP Chain for TCP/IP and Dial-UP Chain for Dial-Up as communication type. You must be select TCP/IP Chain.
- 3) Input activity or description
- 4) Input screen changes if TCP/IP Chain is selected.

Input the IP Address from the external converter or internal converter for configuration.

Input TCP Loop No. as default value 5000.

Select Module Type as internal or external version.

- 5) Click Save button to save inputted data, and click Close button to finish.

Controller Definition

Controller Definition describes iTDC board's data configuration.

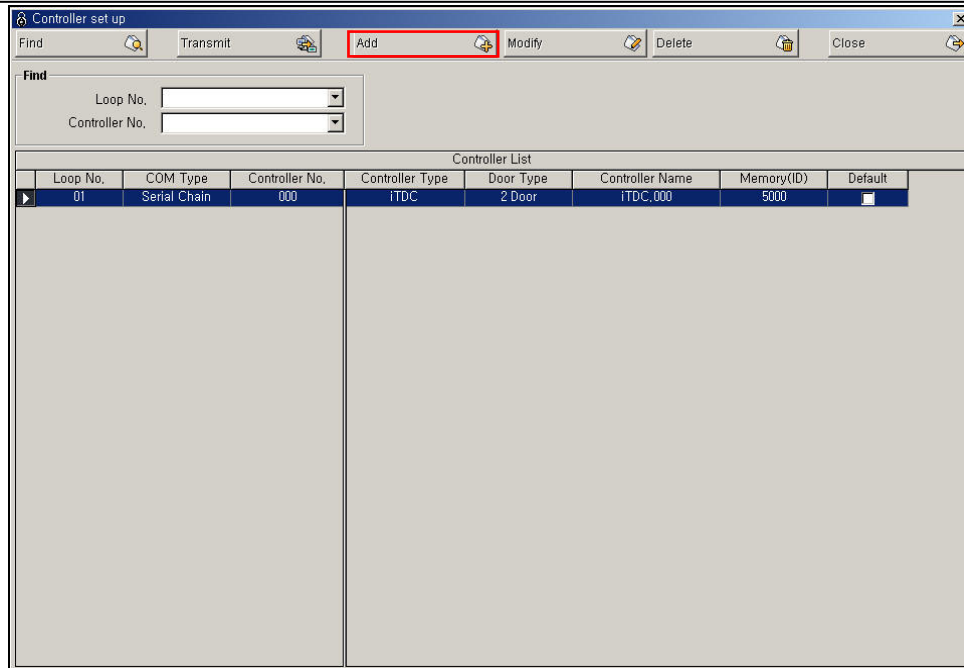
Each iTDC controller has its own communication address. Data is configured in SOFTWARE to each address to communicate with iTDC. Each iTDC can be configured with a variety of function options by sending the data for application.

■ Start

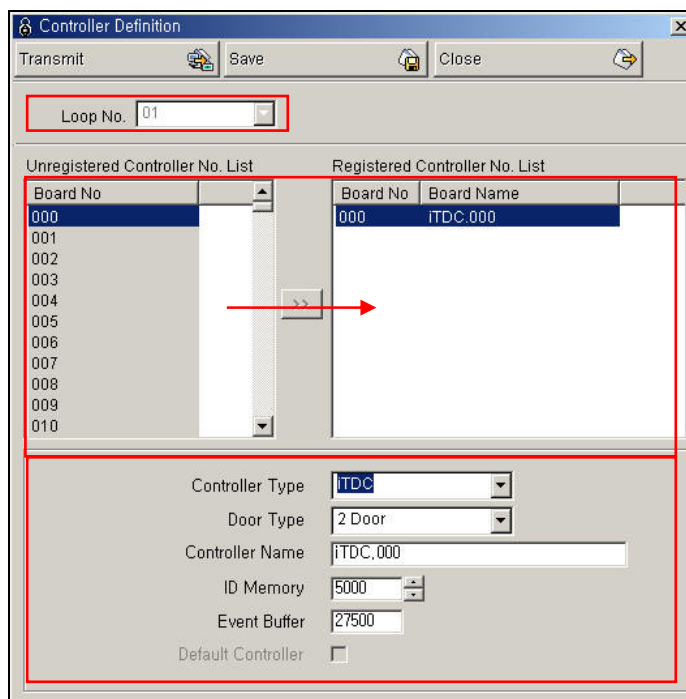
Click System->Controller Definition or press shortcut key Ctrl+B.

■ Add

Add is used to create fresh data. If adding additional Controllers, click Add button and input data in the following screen.



- 1) Click Add button, and the following screen appears.



- 2) Select Loop No. It displays only the Loop No. that was registered in Port Registration.
- 3) Unregistered Controller No. List displays items not selected from Loop No. Select the Board No to be registered choosing and clicking >> button or double click the Board No to select, and it will show up on the right hand side Registered Controller No List.

Controller registration must be done one at a time to setup.

It will register one Controller number with its basic data for configuration. Click Save button to complete the process.

Repeat the procedure to add additional Controllers.

- 4) Select Controller Type as iTDC.
- 5) Select Door Type as 2 door type, 3 door type, or 4 door type for operation.
- 6) Input Controller Name. This is a must in order to define the location, when an event occurs to a Controller.
- 7) Configure card memory. Depending on card memory setup, the event memory is automatically setup. Configure adequate amount of card and event memory.
- 8) Default Controller value is optional. It is not necessary for operation.
- 9) Click Save button to save data.
- 10) Click Close button to finish.

Chapter 8

Dial-up Communication

Dial-Up Communication

This chapter explains Dial-Up communication explanation, along with detailed configuration instruction and usage with software.

System Requirement

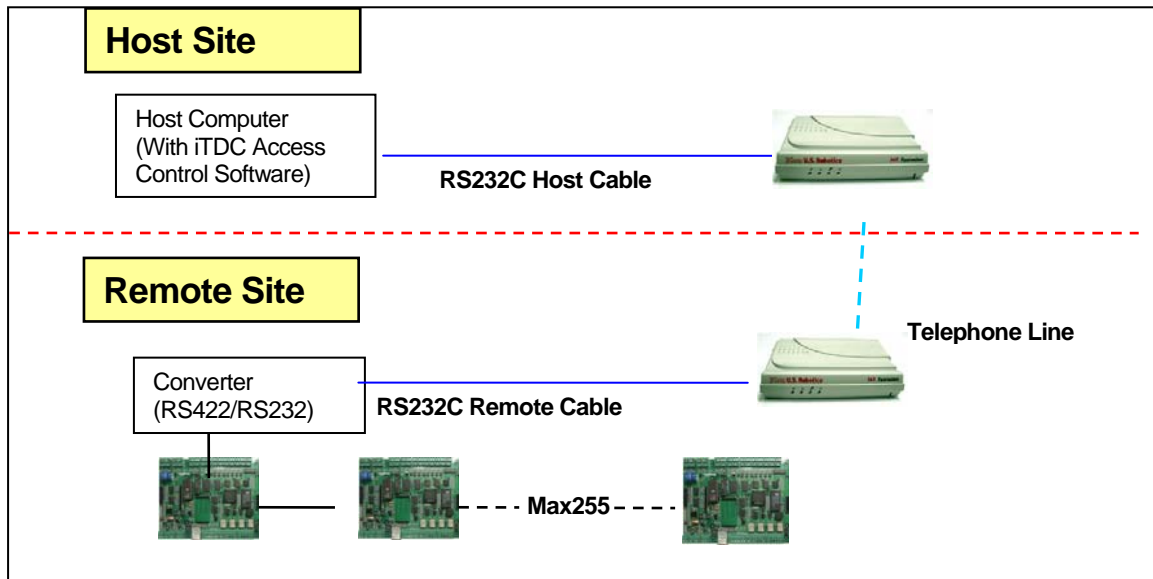
Dial-Up communication requires some controllers for operation. It needs 2 modems for host and remote site connection.

Modem must be an external version for use, and the ability to auto answer function (Namely, when the host calls the remote modem, it answers to make connection)

The iTDC system supports the following modem, and as possible uses this modem. Also, to have Dial-Up communication, it requires making of a separate communication cable one for the host site and one for the remote site.

- 3Com U.S Robotics 56K Fax External Modem 2EA (Remote Site, Host Site) or NetComm (<http://www.netcomm.com.au/>) Roadster V92 External Modem 2EA (Remote Site, Host Site).
- Host, Remote Serial communication Cable

Dial-Up Communication Layout



Modem Configuration

Some configurations are required to setup the host and remote modem for operation. Configuration for communication speed and auto answer function is required.

To configure the modem, it needs the manual, driver, and modem cable included in the modem package.

To configure the modem environment, it requires the Hyper Terminal included in Windows.

If Hyper Terminal is not installed, go to Control Controller and open Software Add/Delete file to install the software.

Host Modem Setup

To setup the Host Modem, all you need to do is modify the communication speed using the driver and cable.

■ Communication Speed Setup

This function is used to calibrate communication speed between iTDC controller and modem to be equal. When the modem is first installed, the speed value is setup at maximum speed. However, iTDC speed is 9600BPS, so the modem speed needs to be setup as 9600BPS for configuration.

- 1) Install the modem to Window 2000 or XP, and then install the driver for modem recognition.
- 2) Go to Control Controller and select Phone and Modem file. Click on modem properties and change the speed to 9600bps. (After driver installation, the speed is automatically setup at 115200bps)
- 3) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.

- 4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

Remote Modem Setup

To configure the Remote Modem, it needs the driver and modem cable included in the modem package to setup the communication speed and auto answer.

■ Communication Speed Setup

- 1) Install the modem to Window 2000 or XP, and then install the driver for modem recognition.
- 2) Go to Control Controller and select Phone and Modem file. Click on modem properties and change the speed to 9600bps. (After driver installation, the speed is automatically setup at 115200bps)
- 3) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.
- 4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

■ Auto Answer Setup

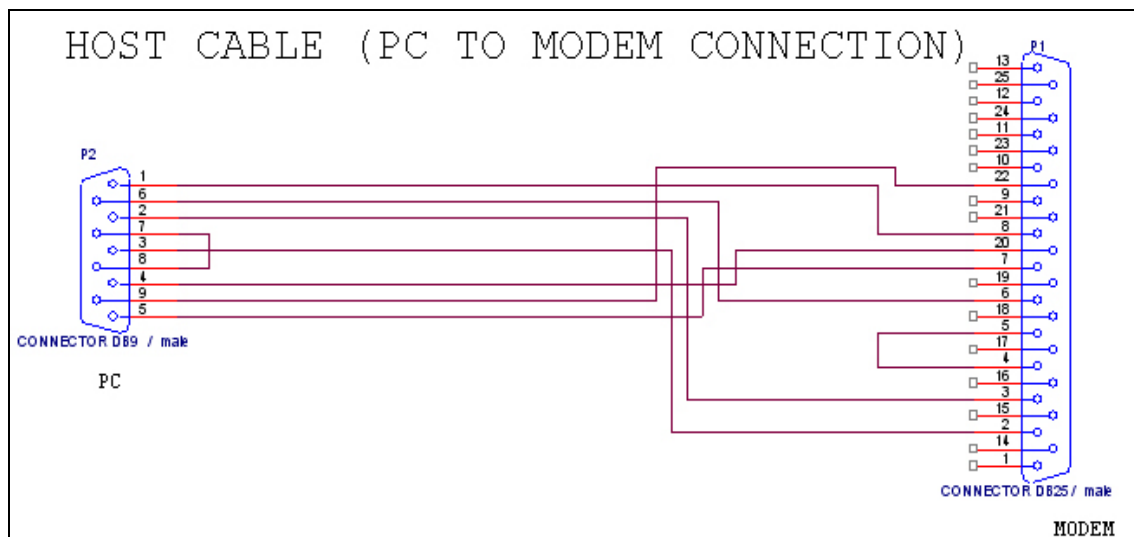
- 1) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.
- 2) When OK message appears, input ATS0=1 and check the message OK appears.
- 3) When OK message appears, input AT&W and check the message OK appears.
- 4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

Serial Interface Pin Definitions

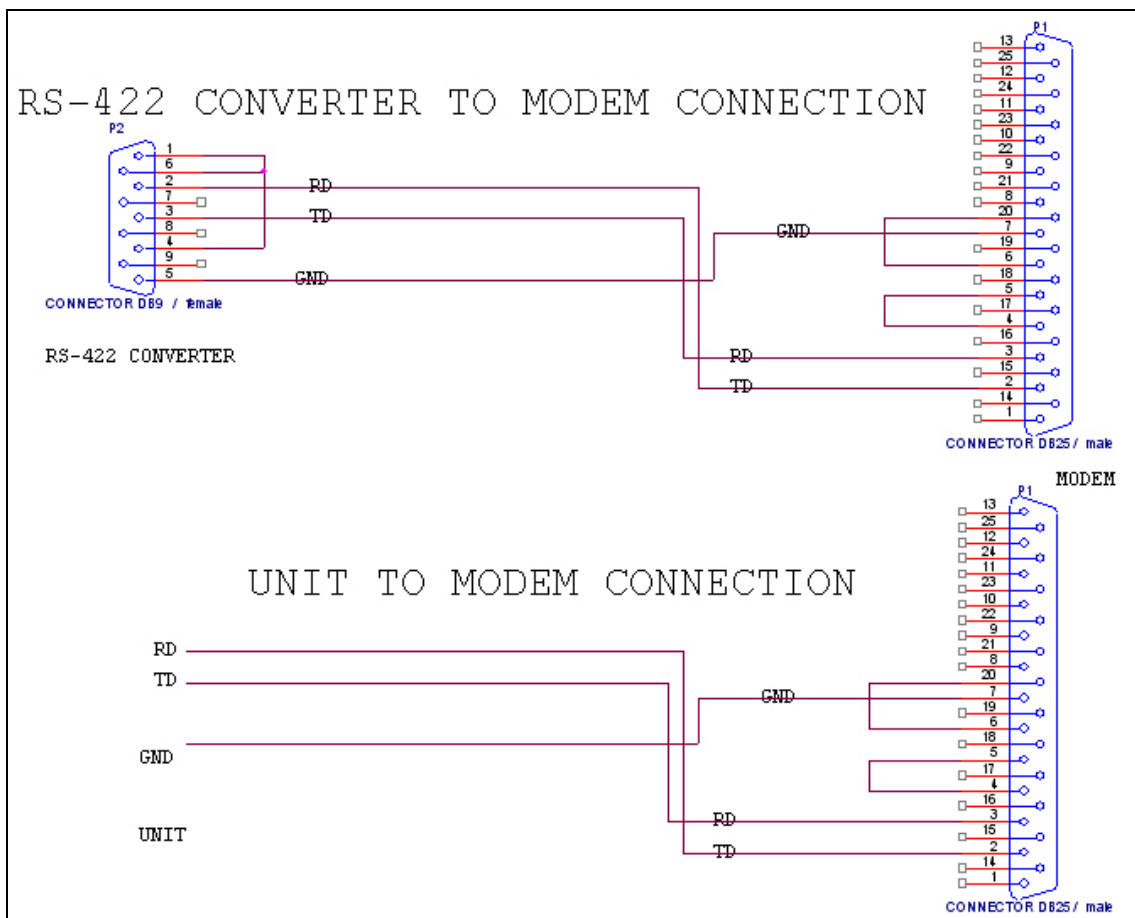
DB-25	DB-9	Circuit	Function	Signal Source Computer/Modem
1	-	AA	Chassis Ground	Both
2	3	BA	Transmitted Data	Computer
3	2	BB	Received Data	Modem
4	7	CA	Request to Send	Computer
5	8	CB	Clear to Send	Modem
6	6	CC	Data Set Ready	Modem
7	5	AB	Signal Ground	Both
8	1	CF	Carrier Detect	Modem
12	-	SCF	Speed Indicate	Modem
20	4	SD	Data Terminal Ready	Computer
22	9	CE	Ring Indicate	Modem

Cable

Dial-Up communication requires a separate making of a cable. Host and Remote cable making process is different to each other. Refer to the wire layout below for the procedure.

Host Cable

Remote Cable



SOFTWARE Configuration

Port Definition

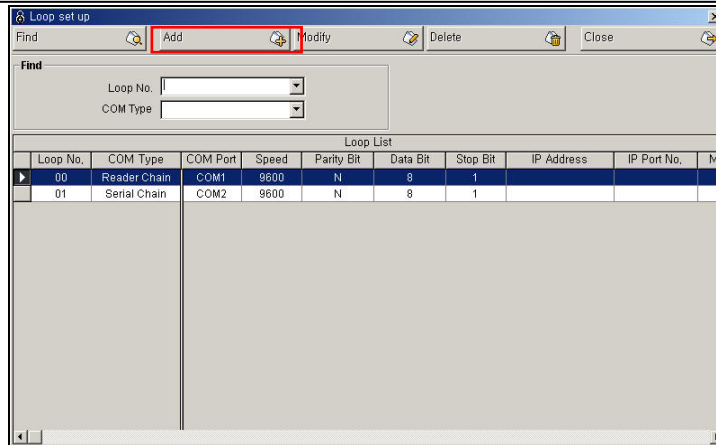
Port Definition describes the PC connection to Serial and TCP/IP communication loop. It supports up to 99 ports, but depending on PC performance, memory, and OS resources, it may not be possible to use 99 ports. We recommend using adequate number of ports for operation.

- Start

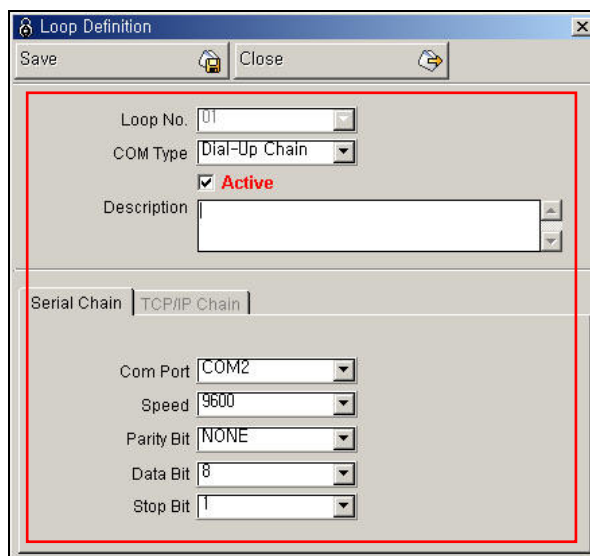
Click System->Port Definition or press shortcut key Ctrl+A.

- Add

Add is used to create fresh data. If adding additional ports, click Add button and input data in the following screen.



- 1) Click Add button, and the following screen appears.



- 2) Select Loop No. and it will indicate Loop No. not used.
- 3) Select Comm Type as Serial Chain for Serial, TCP/IP Chain for TCP/IP and Dial-Up Chain for Dial-Up as communication type. You must be select Dial-Up Chain.
- 4) Input activity or description
- 5) Select from Serial Chain tab, Comm Port, Speed, Parity Bit, Data Bit, and Stop Bit. The default value is Speed 9600, Parity Bit None, Data Bit 8, and Stop Bit 1 for
- 6) Click Save button to save inputted data, and click Close button to finish.

Controller Definition

Controller Definition describes iTDC board's data configuration.

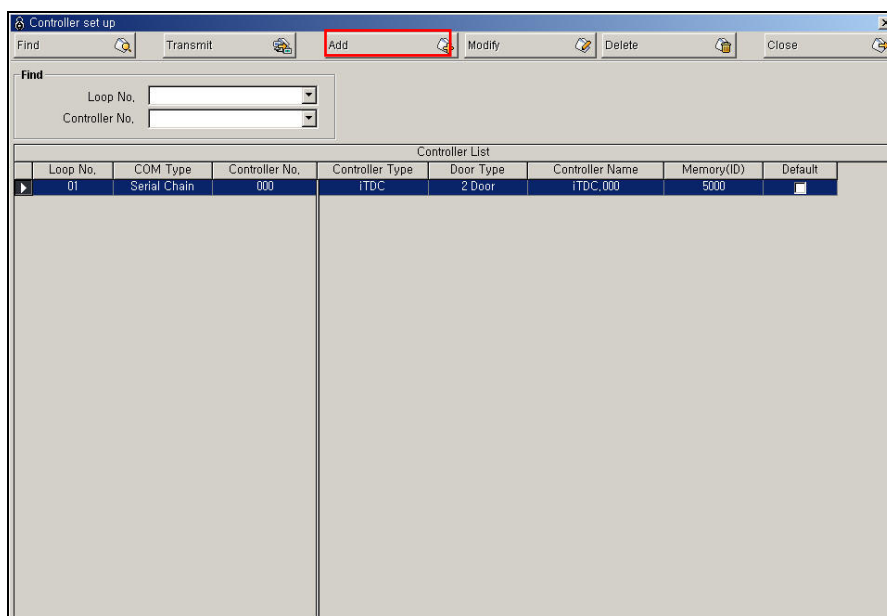
Each iTDC controller has its own communication address. Data is configured in SOFTWARE to each address to communicate with iTDC. Each iTDC can be configured with a variety of function options by sending the data for application.

■ Start

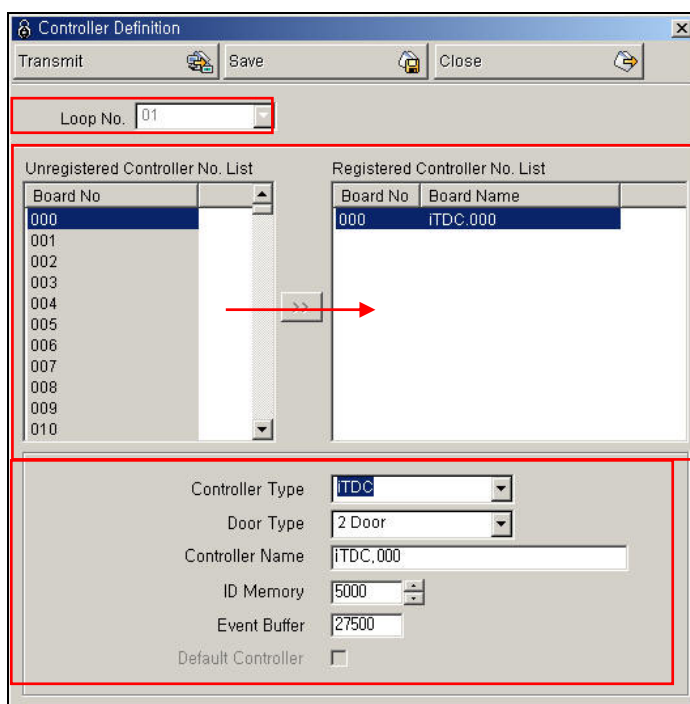
Click System->Controller Definition or press shortcut key Ctrl+B.

■ Add

Add is used to create fresh data. If adding additional Controllers, click Add button and input data in the following screen.



1) Click Add button, and the following screen appears.



2) Select Loop No. It displays only the Loop No. that was registered in Port Registration.

- 3) Unregistered Controller No. List displays items not selected from Loop No. Select the Board No to be registered choosing and clicking >> button or double click the Board No to select, and it will show up on the right hand side Registered Controller No List.

Controller registration must be done one at a time to setup.

*It will register one Controller number with its basic data for configuration.
Click Save button to complete the process.*

Repeat the procedure to add additional Controllers.

- 4) Select Controller Type as iTDC
- 5) Select Door Type as 2 door type, 3 door type, or 4 door type for operation.
- 6) Input Controller Name. This is a must in order to define the location, when an event occurs to a Controller.
- 7) Configure card memory. Depending on card memory setup, the event memory is automatically setup. Configure adequate amount of card and event memory.
- 8) Default Controller value is optional. It is not necessary for operation.
- 9) Click Save button to save data.
- 10) Click Close button to finish.

Dial-Up Connection

Dial-Up Connection uses standard phone line to connect to a remote controller for communication. External modems are required for each site at remote and host to connect by phone line.

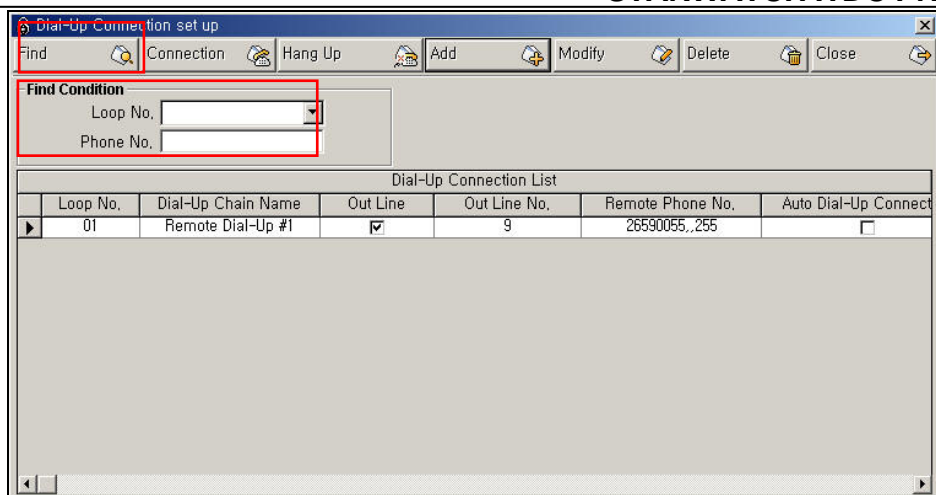
Also, Dial-Up Connection Management can be used to manage multiple location registration, and when needed initiate the location's remote controller and communication.

■ Start

Click System->System Management->Dial-Up Connection List or press shortcut key Ctrl+G.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.

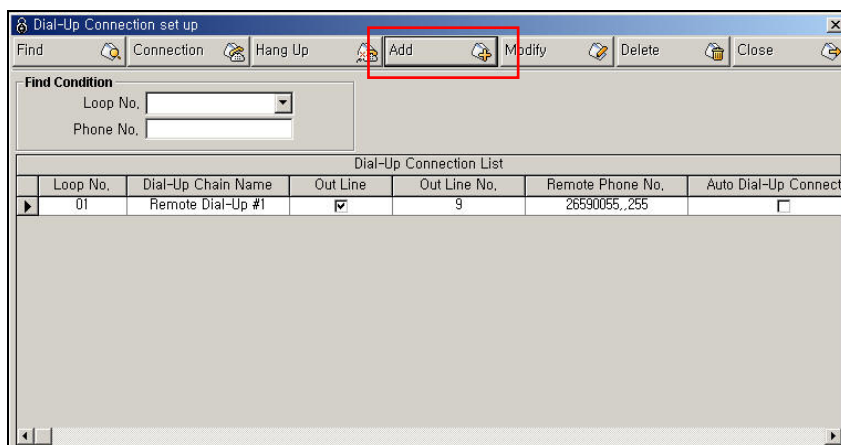


- 1) Input Find Condition
- 2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information

■ Add

Add is used to create fresh data. Click Add button to add Dial-Up Connection area data through input screen.



- 1) Click Add button, and the following screen appear

Dial-Up Connection Definition

Connection Hang Up Save Close

Connection Status

Loop No. 01

Dial-Up Chain Name Remote Dial-Up #1

Out Line ☒ Out Line No. 9

Remote Phone No. 26590055,259

Auto Dial-Up Connection ☐

Dial-Up Connection Time 00:00:00

Dial-Up Hang Up Time 23:59:59

- 2) Select Loop No. You can only select the loop that was configured for Dial-Up Connection.
- 3) Input Dial-Up Chain Name.
- 4) Check mark Out Line if setup, and input Out Line No.
- 5) Input Remote Phone No. connected to remote modem.
- 6) Check mark Auto Dial-Up Connection if setup, and configure connection and disconnection time.

When configuring Auto Dial-Up Connection, make certain that connection and disconnection time does not overlap in multiple location setup. This will cause abnormal operation.

- 7) Click Save button to save input data. Click Close button to finish.

In Dial-Up Connection, connection failure can be frequent depending on phone line and modem status. This is a special characteristic occurrence, and if 2-3 reattempts are made normal connection is established.

■ Dial

Dial can be used in Dial-Up Connection List, Add, and Modify screen, but we recommend use as possible in the Dial-Up Connection List screen.

Dial-Up Connection set up

Find Connection Hang Up Add Modify Delete Close

Find Condition

Loop No.

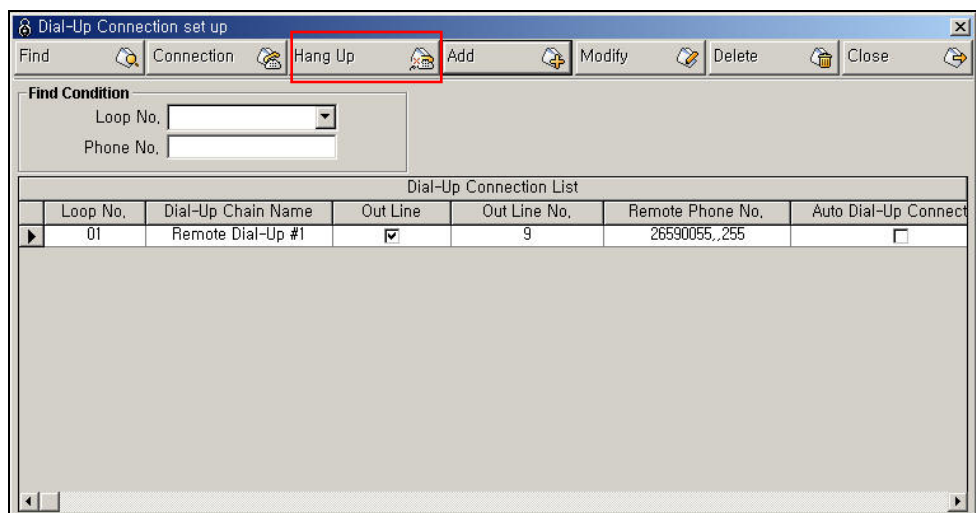
Phone No.

Dial-Up Connection List

Loop No.	Dial-Up Chain Name	Out Line	Out Line No.	Remote Phone No.	Auto Dial-Up Connect
01	Remote Dial-Up #1	<input checked="" type="checkbox"/>	9	26590055,255	<input type="checkbox"/>

- 1) Use Find to locate connection or select from Dial categories to connect. Selected location is highlighted.
- 2) Click Dial for connection attempt.

■ Hang Up



- 1) Select current established connect location.
- 2) Click Hang Up to disconnect.

Multi Language Setup

This chapter explains Multi Language Setup instruction.

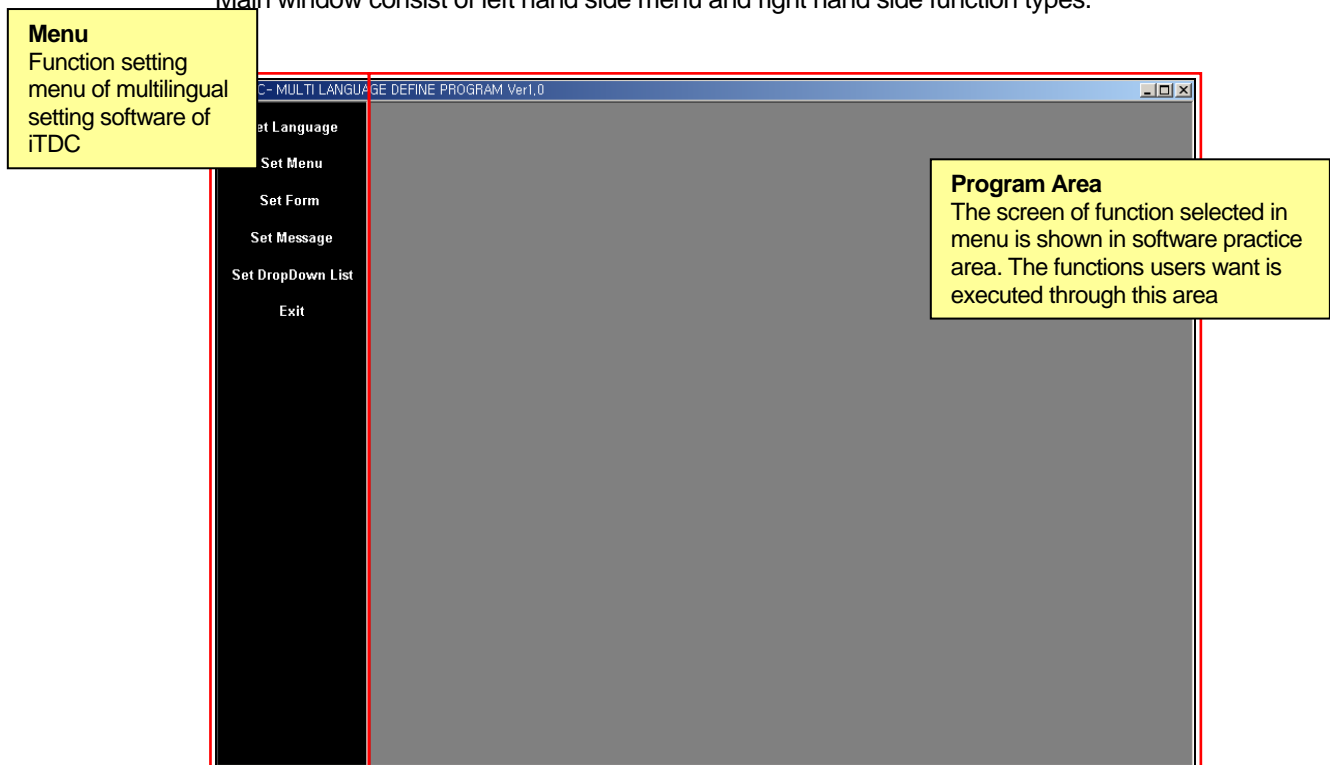
Using Multi Language Setup Software

The Multi Language Setup Software is used to configure Software multi language support. It is here the user configures the language preference, form, menu, drop down list, and message functions to input and modify data.

Screen Layout

Initiating the iTDC Multi Language Setup Software will display the following screen.

Main window consist of left hand side menu and right hand side function types.



Menu Layout

Multi Language Setup Software menu, and its function types are the following.

- ✓ Set Language
Configure language preference by character style.
- ✓ Set Menu
Configure language preference for the top part menu display.
- ✓ Set Form
Configure language preference for character in input/output on screen display.
- ✓ Set Message
Configure language preference for character in message display.
- ✓ Set DropDown List
Configure language preference for character in all Drop Down Combo display.
- ✓ Set Etc
Configure language preference for the remaining categories.
- ✓ Exit
Save configuration.

Set Language

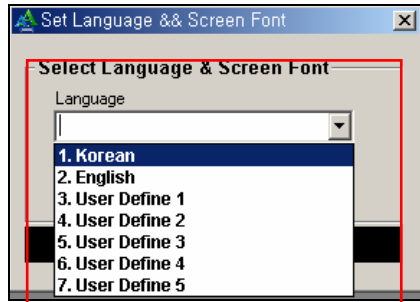
Language configuration is setup of font for each language type.

- Start

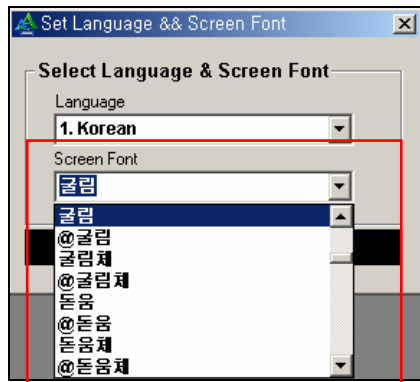
Select Set Language from left hand side menu.

- Setup

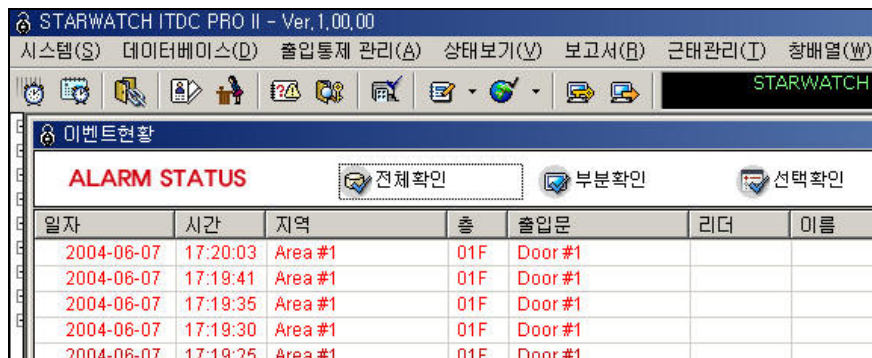
1) Select language used in language category.



2) Select Screen Font



3) Click Save button to save data.



Set Menu

Setup language preference for top part of menu.

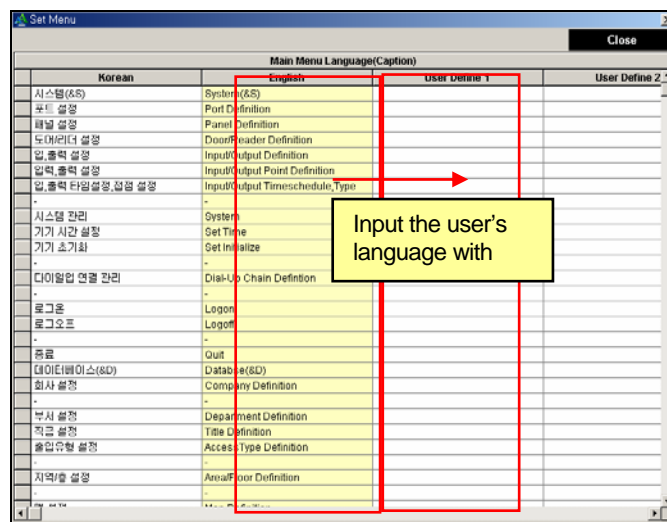
- Start

Select Set Menu from left hand side menu.

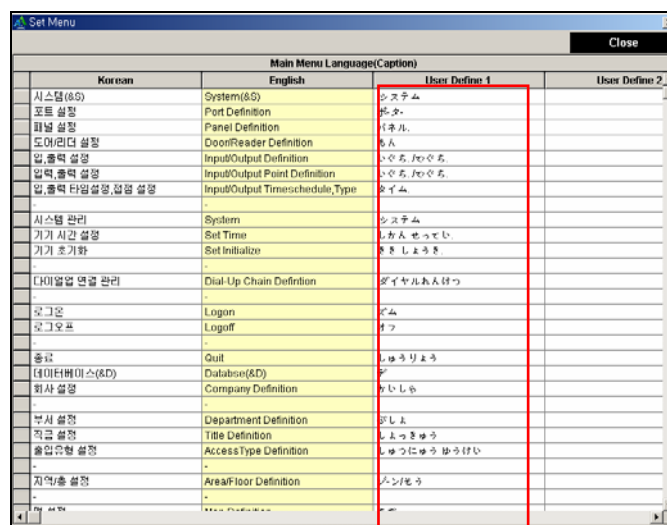
- Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

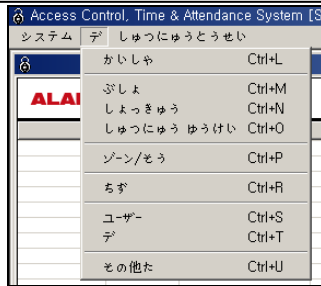
For example, if using User Define 1 language, input the language preference by looking at the English Row.



The above input will display the following screen. If all inputs are completed, click Close button to finish. Inputs are saved automatically without a separate save function. All user needs to do is input data.



As shown above, input the menu caption then select User Language 1 in iTDC software, and it will display the following screen below.



Set Form

Setup of characters displayed in all input/output screen display.

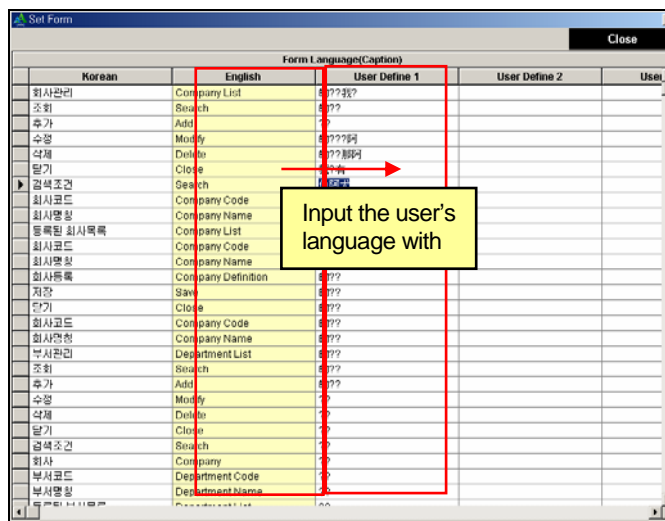
■ Start

Select Set Form from left hand side menu.

■ Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.



As shown above, input the form caption then select User Language 1 in iTDC Software.

Set Message

Setup of language message display in software.

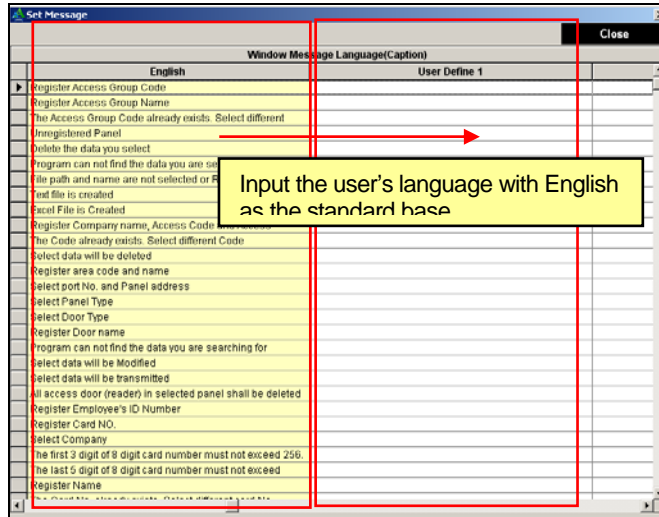
■ Start

Select Set Message from left hand side menu.

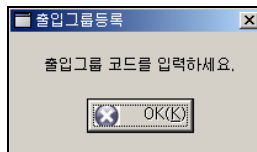
■ Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

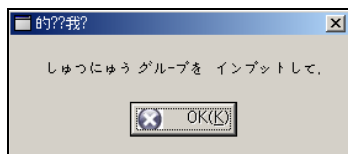
For example, if using User Define 1 language, input the language preference by looking at the English Row.



Message box display of Language: 1.Korean setup.



Message box display of Language: User Language1 setup.



Set DropDownList

Configure language preference for input/output in all Drop Down Combo display.

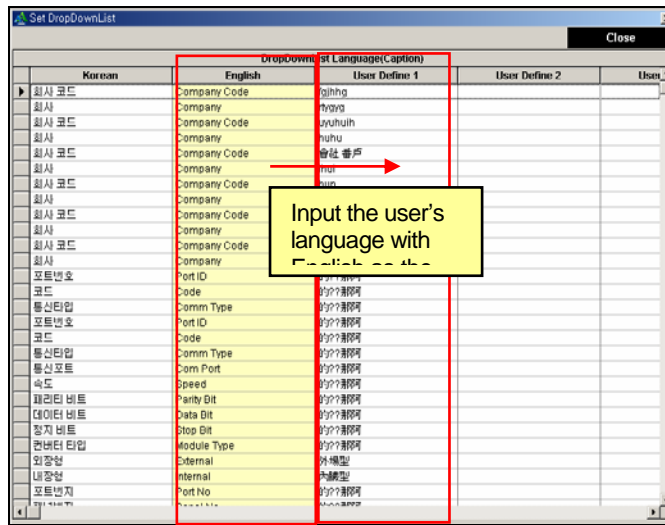
■ Start

Select Set DropDownList from left hand side menu.

■ Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.



DropDownList display of Language: 1.Korean setup.

코드	통신타입
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

DropDownList display of Language: User Language1 setup.

的??弄郎可	的??弄郎可
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

Set Etc

Setup of language for default value input items.

■ Start

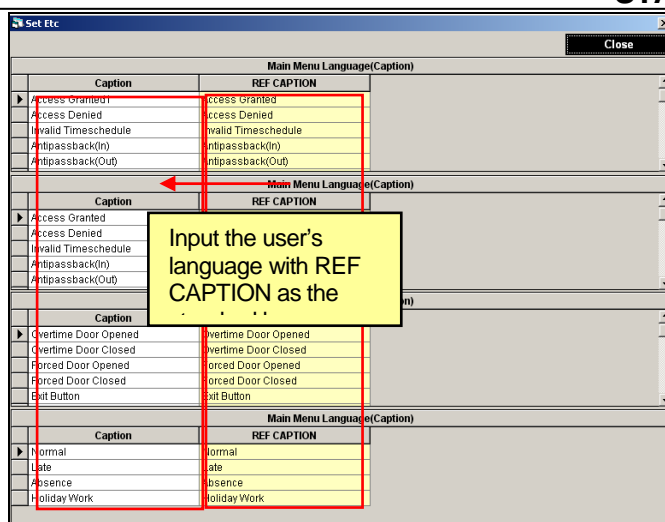
Select Set Etc from left hand side menu.

■ Setup

Initiating the Multi Language input screen will display the following. Input language preference in CAPTION column using REF CAPTION as base. A separate column for Etc is not available. These values cannot be setup due to fixed value setup in database.

However, using REF CAPTION as base to modify the CAPTION column value, the fixed value of data language can be modified.

REF CAPTION cannot be modified. This value is for reference to language modification. The actual character displayed in software is the CAPTION column value.



The modified details in iTDC Multi Language Setup Software are applied immediately without having to reboot the software.

However, the current running screen needs to be closed and reopened to display the modified language.

Functions added to STARWATCH ITDC PRO II

: *Applied only to STARWATCH ITDC PRO II v1.06 or over.*

Added functions

Monitoring

- **Total monitoring on one screen**
 - All in one screen display of event status, alarm status, user data of current event with photo, map showing location of event with icons, video image of the event, events sorted by door at the same time.
 - Real time door status display and control with door icon on the map, video record data listing and its play.
- **Real time video monitoring and recording on access and alarm events**
 - Real time video monitoring on the door with video devices.
 - Recorded video recording and play by event type.
- **Video monitoring on the map screen and map setting screen.**
 - Camera icon setting playing its live view in order to find easily its location..
 - Event location display on the map screen with live video.
- **SMS Service**
 - Event data message service to mobile phone numbers
 - Message service option by event types.

System management

- **Output definition**
 - All the devices connected to the outputs of controllers can be defined by user.
ex: Emergency door , Alarm, siren etc.
- **Output status display and control**
 - Real time monitoring of output status and control
- **Batch transmission of system setting data by specific controller**
 - Useful to download controller system setting values at once in case of initial system setting or after initialization of controllers
- **Batch transmission of card holder data by specific controllers**
 - Useful to download card holder data at once in case of initial system setting or after initialization of controllers.
- **Bio readers of FGR006SR , FINGER006SR, FACE006 management**
 - FGR006SR , FINGER006SR, FACE006 system setting
 - FGR006SR , FINGER006SR, FACE006 fingerprint template upload/download

Time & Attendance management

- **Work schedule setting by day**
 - Work in, Work out, Lunch, extra work time setting by day
 - Holiday setting by day

Card holder management

- **Bio template upload/download**
 - Upload/download of bio templates of card holders registered in bio reader
- **Extra port for card reader only for registration**
 - Automatic card registration by card reading
 - Direct connection to PC
- **Extra fields for user to define**
 - Extra 10 user data field in the card holder management section besides basic card holder data field.
 - Data connection to ID Badging system
- **ID Badging integration**
 - Pre-view of user card printing image
 - Interconnection of data base with ID Badging in pre-view screen

A. Detailed description of functions added.

Monitoring

- Integrated monitoring on one screen
- Live video monitoring and recording by event
- Live video display on map setting screen and map screen
- SMS Service

○ Integrated Monitoring Windows

Display on one screen event status, map display, video image.

- Start
 - Choose View->Event status-> integrated monitoring
- Integrated monitoring window

The screenshot shows the STARWATCH ITDC PRO II software interface. The main window is titled 'Integrated Monitoring Window' and contains several panels:

- Top Panel:** A table listing alarm events. The columns are Date, Time, Area, Floor, Door, Reader, Name, Company, Department, Status, and Card No. The data shows multiple 'Access Denied' events for Kim SungSoo on 2005-04-27.
- Left Panel:** 'EVENT STATUS' section showing a person's photo, name (Kim SungSoo), and card number (25500070).
- Center Panel:** A floor plan map with various icons representing events. A video image is displayed in a small window on the map.
- Right Panel:** A table listing specific camera events. The columns are Time, Camera, and Event. It shows events for '03 Camera' on 2005-04-27.
- Bottom Panel:** A table for 'Access event list' with columns Date, Time, Area, Floor, and Door.


Annotations in yellow boxes point to specific features:

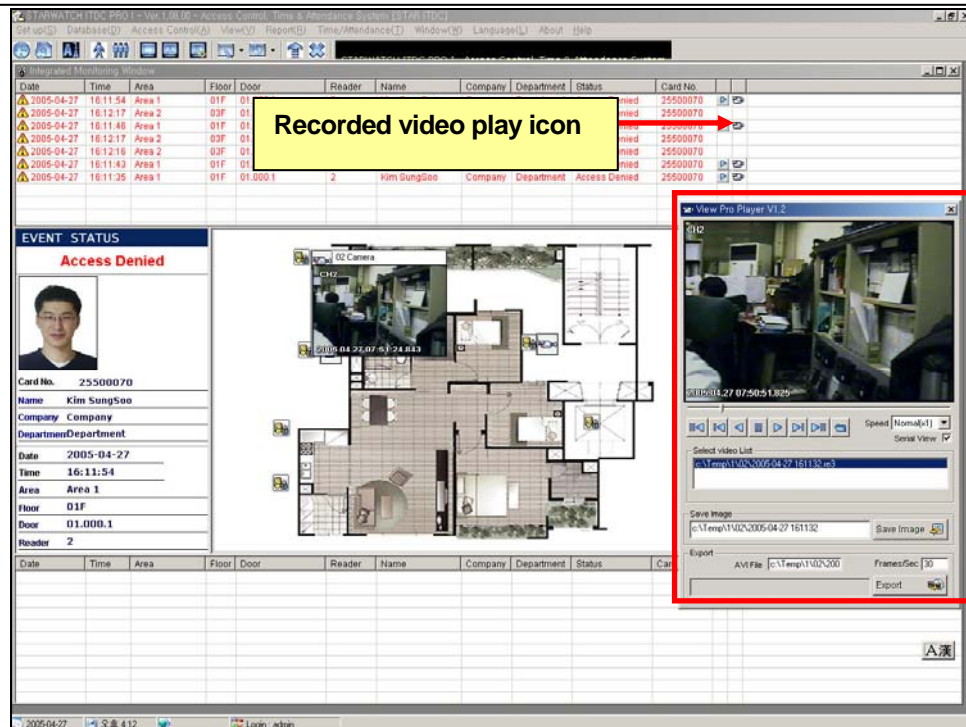
- Display alarm event list:** Points to the top table.
- Display current access person data:** Points to the left panel.
- Display current event location on the map with various icons and its video image:** Points to the center map panel.
- Display alarm and access event list of specific door and recorded video data listing of specific camera:** Points to the right panel.
- Display access event list:** Points to the bottom table.

■ Recorded video play

It records video image by type of events according to user definition in condition that IDECK web sever and CCD cameras are connected to the software.

In case of an event occurrence, it records its video image and show the recorded video icon on the event list.


In order to replay the recorded video, click the icon() on the event list.

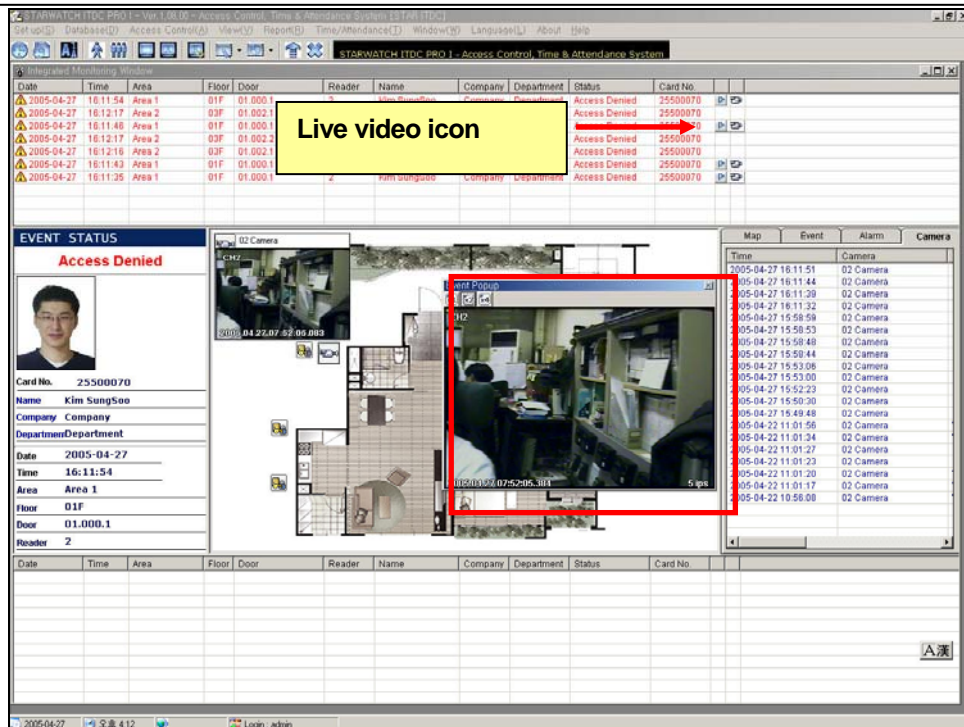


- Recorded video play window provides various options of video control
- Still video cut image can be exported as an image file (JPG, bmp etc.)
- Recorded video can be exported as an video file(avi, etc)

■ Live video monitoring

It display live video image by type of events as user define in case that IDTECK web sever and cameras are connected.

In case that an event occurs, it display live video of the site where the event occurs and the live video icon() shows on event list. In order to view the live video of the site of the event, click the live video icon.



- Users can adjust the size of live video window with screen size icon.
 - Users can control PAN/TILT/ZOOM (PTZ) in case of connection with cameras with PTZ function on the live video play screen.
- Monitoring tap

On the right side of map monitoring window, the monitoring tap provides various text information.

Map list of places applied access control, access and alarm event list of specific door, recorded video image list of specific cameras.

- **Map list**

Users can choose a map to display on the map screen from their list.

[illegible]

– Event list

It displays the access events of the door chosen on the map screen by users.

Map			Event		Alarm		Camera	
Date	Time	Area	Floor	Door	Reader	Name	Status	Ci
2005-04-19	17:57:48	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-19	17:57:48	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-19	17:57:47	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-19	17:57:47	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-19	17:57:46	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-19	17:49:34	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:07:30	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:07:25	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:07:21	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:05:58	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:05:53	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-18	15:05:50	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-13	16:24:35	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-13	11:20:30	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-04-13	11:20:11	Area 1	01F	01.000.1	01.000.1	김성수	Access Granted	24
2005-01-15	20:55:56	Area 1	01F	01.000.1		Rod	Access Granted	03
2005-01-15	20:55:50	Area 1	01F	01.000.1			Access Granted	03
2005-01-15	18:55:17	Area 1	01F	01.000.1			Access Granted	03
2005-01-15	13:55:10	Area 1	01F	01.000.1			Access Granted	03
2005-01-15	13:55:07	Area 1	01F	01.000.1			Access Granted	03
2005-01-15	12:54:43	Area 1	01F	01.000.1		박철건	Access Granted	03
2005-01-15	08:54:22	Area 1	01F	01.000.1		박철건	Access Granted	03
2005-01-15	00:53:58	Area 1	01F	01.000.1		박철건	Access Granted	03

– Alarm list

It displays the alarm events of the door chosen on the map screen by users.

Map			Event		Alarm		Camera	
Date	Time	Area	Floor	Door	Reader	Name	Status	Ci
2005-04-19	09:19:52	Area 1	01F	01.000.1	01.000.1		Forced Door Closed	24
2005-04-14	19:59:30	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-14	19:53:57	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-14	19:52:30	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-14	19:24:48	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-14	19:24:47	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-13	19:03:29	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-13	17:24:53	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	15:41:03	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	14:52:13	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	14:45:06	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	14:31:04	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	14:26:37	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	14:24:22	Area 1	01F	01.000.1	01.000.1	김성수	Access Denied	24
2005-04-12	11:29:31	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:27:10	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:20:45	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:16:32	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:16:22	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:16:17	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	11:15:29	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	10:39:08	Area 1	01F	01.000.1	01.000.1		Access Denied	24
2005-04-12	10:36:25	Area 1	01F	01.000.1	01.000.1		Access Denied	24

– Recorded video image list

It displays the recorded video images of the camera chosen on the map screen by users.

Map			Event		Alarm		Camera	
Time	Camera	Status	Name	Description	Record	Record		
2005-04-19 18:40:52	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:51	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:49	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:48	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:45	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:43	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:40	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:39	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:37	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:35	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:34	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:24	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:23	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:21	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:20	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:40:18	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:00:27	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:00:26	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:00:24	02 Camera	ValidID	김성수	25500070	Record	c:Temp		
2005-04-19 18:00:23	02 Camera	ValidID	김성수	25500070	Record	c:Temp		

■ Real time door status monitoring

It shows the door open/close status in real time by door icon on the map.

- Door control

Users can open or close doors on the map screen. On the door icon, click right mouth button to control it.

- Live video monitoring and recording on event status monitoring window.

Users can operate live video play or recorded video play on the event status monitoring window.

- Start

Click view-> Event status ->Event monitoring screen

- Event monitoring window

ALARM STATUS

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-04-20	11:28:55	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	11:28:55	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	11:28:55	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	11:28:51	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	11:28:49	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	11:28:26	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	10:54:11	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-20	10:54:11	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Denied	25500072
2005-04-19	15:46:31	Area 1	01F	01.000.2	Reader 4	Iouls	OIOICIE		Access Denied	25500072
2005-04-19	15:46:30	Area 1	01F	01.000.2	Reader 4	Iouls	OIOICIE		Access Denied	00100001
2005-04-19	15:45:52	Area 1	01F	01.000.2	Reader 4	Iouls	OIOICIE		Access Denied	00100001
2005-04-19	15:44:30	Area 1	01F	01.000.2	Reader 3	Iouls	OIOICIE		Access Denied	00100001

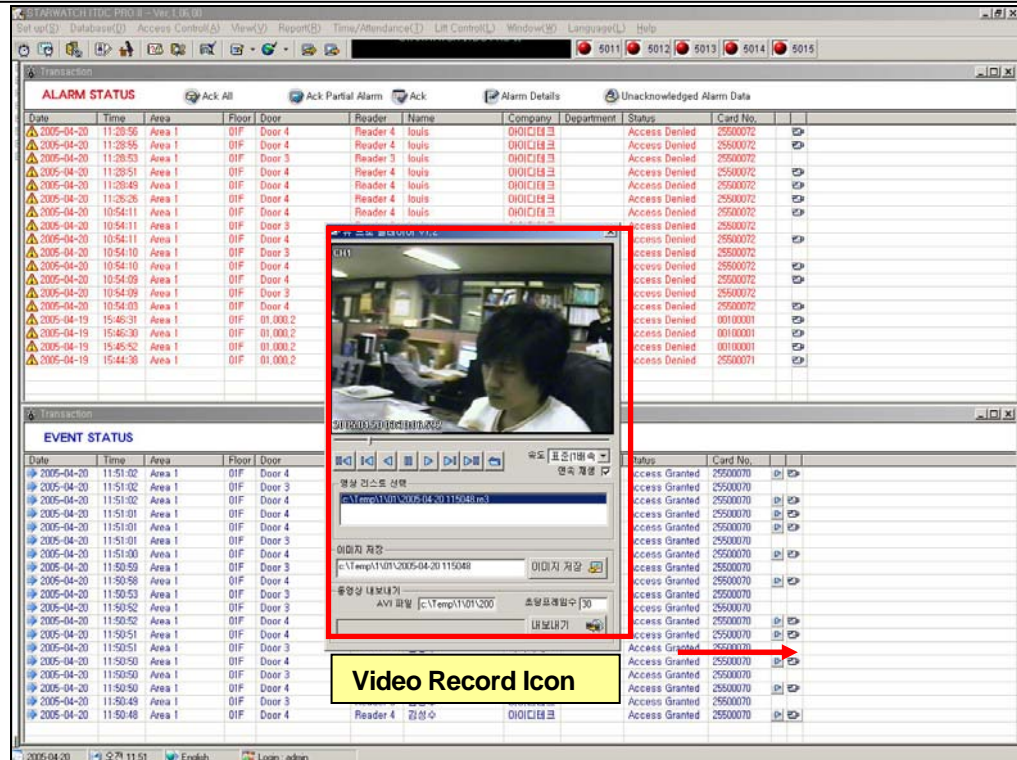
EVENT STATUS

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-04-20	11:50:59	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:58	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:53	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:52	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:52	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:51	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:51	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:50	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:50	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:50	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:49	Area 1	01F	Door 3	Reader 3	Iouls	OIOICIE		Access Granted	25500070
2005-04-20	11:50:48	Area 1	01F	Door 4	Reader 4	Iouls	OIOICIE		Access Granted	25500070

- Recorded video play

It records video image by types of access or alarm event as defined by users in condition that video devices are connected to the site..

When an event occurs, it records its video image and shows recorded video play icon on the list. To play the recorded video, click the icon (📺).

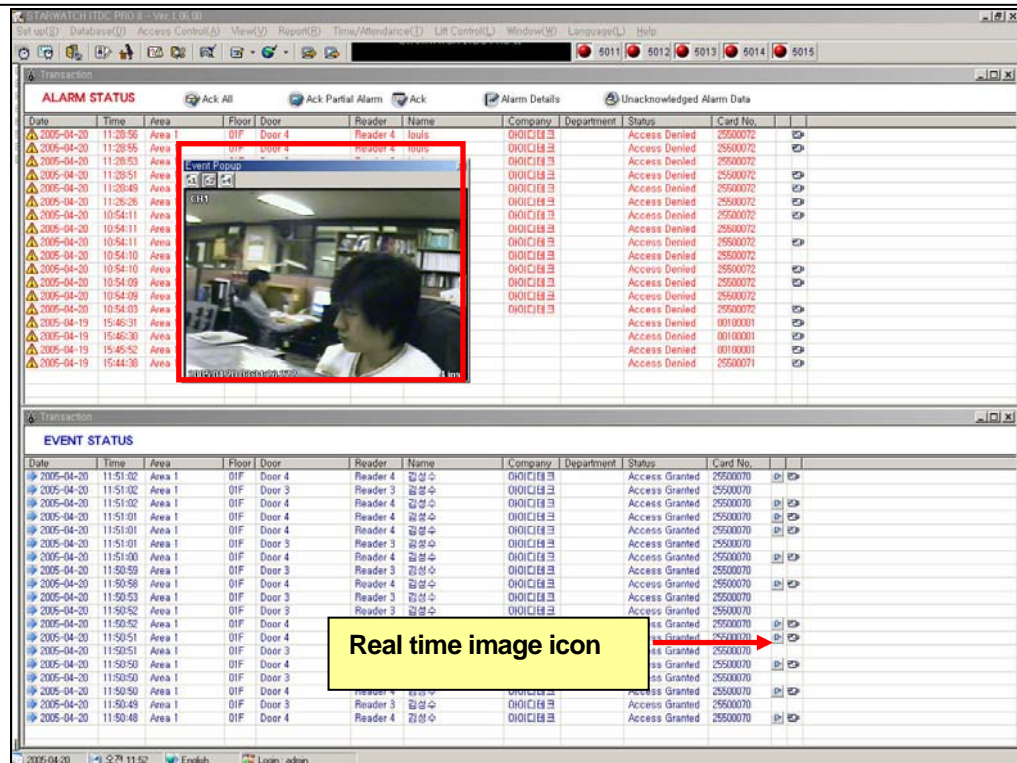


- Control image by image play button.
- Able to send still image in image file (JPEG file and etc.)
- Able to send recorded image in other image format files (AVI file and etc.).

■ Play real time image

Real time monitoring is possible with view camera when normal/alarm event occurs.

Image pops up in the map when event is occurred. Also, real time view icon is popped in event list. Click the camera icon (📷) in event list to play real time images.



- Able to change image sizes with magnifying icon in real time image.
- Able to control camera with real time image view when camera supports PAN/TILT/ZOOM (PTZ) functions

○ Monitoring images in Map setting and Map screen

Able to control angle of camera while monitoring images in map screen when view devices are installed.

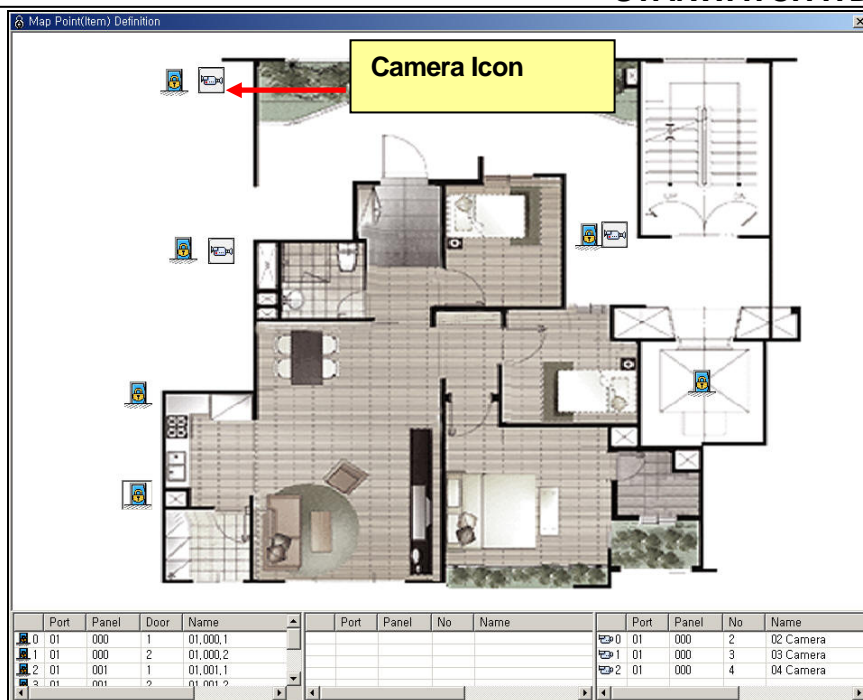
■ Start

Choose System->Map Setting-> Map Item

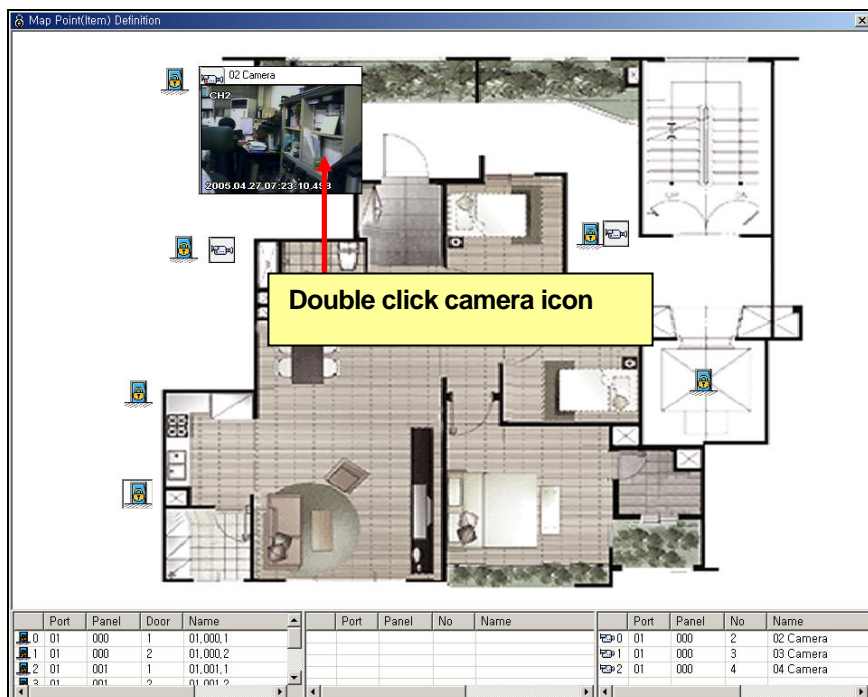
■ Camera set up in map screen

Set angle of camera while monitoring images in map screen when view devices are installed.

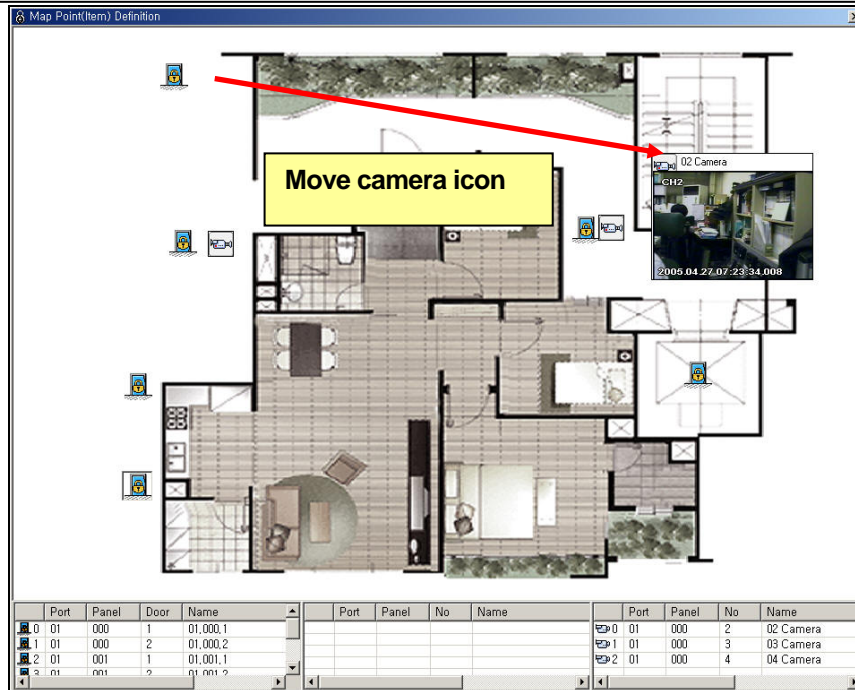
- Move camera icon to the place where the door is located



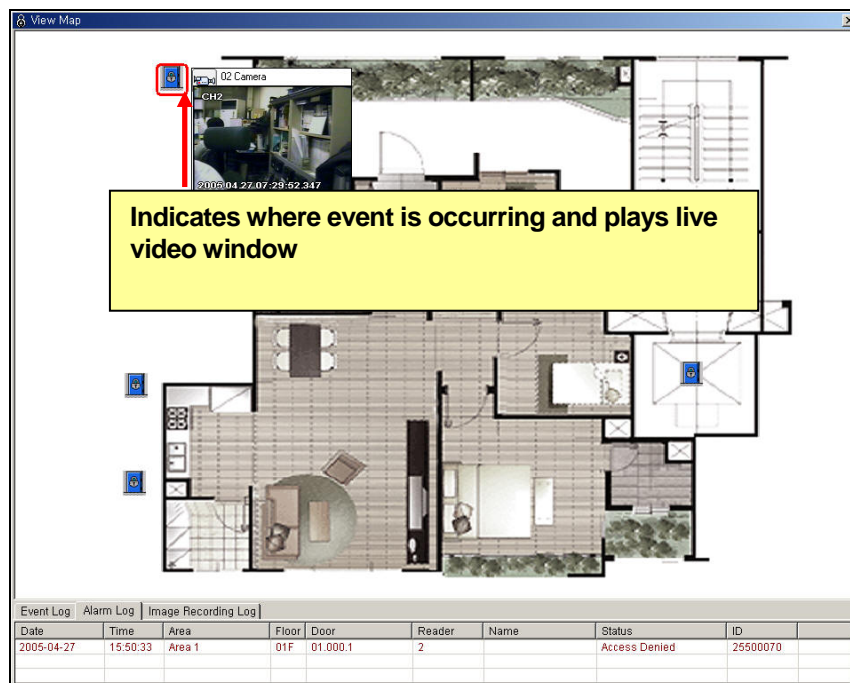
- Real time view is possible by double clicking camera icon.



- Live video view is to show when camera icon is double clicked.



- In case of an event occurrence, its door icon blinks on the map and its live video window pops up if a camera and web server is connected to the door.



- **SMS Service.**

Able to send event in SMS by using foreign SMS services.

*** Warning ***

This function does not support usage of Korean Language Program.

You must register at ipipi.com in order to obtain this service. Set the given ID and Password which you have received when registering ipipi.com.

- Star

Choose Set Up-> SMS Definition

- SMS Set up

Set up information on SMS server and receiver.

The screenshot shows the 'SMS Definition' window with the following fields and callouts:

- SMS Active:** A checkbox that is checked. Callout: "Choose when using SMS function."
- SMS Server Definition:**
 - SMTP Server Name: ipipi.com
 - User Name: idteck1
 - User Password: [masked] Confirm: [masked]
 - Email Address(Sent From): idteck1@ipipi.com
- Recipient Definition:**
 - Add:** A button to add new recipients. Callout: "Type in SMS receiver's information by clicking Add button."
 - Delete:** A button to delete selected recipients.
 - Recipient Name:** baek
 - Recipient Phone No.:** 82164998823
 - Recipient List:**

Name	Phone No.
<input checked="" type="checkbox"/> baek	82164998823
<input checked="" type="checkbox"/> Marian E	82226590055

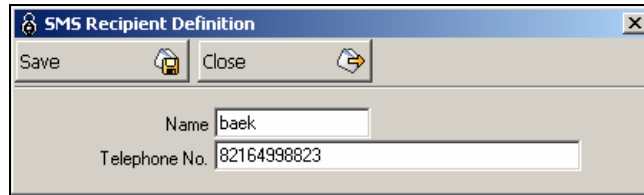
- How to set SMS

- SMS server registration

- 1) Choose SMS Active.
- 2) Register information on server and user received from the SMS service providing company.
- 3) Email Address is automatically stored as User name + Server name.

- SMS receiver registration

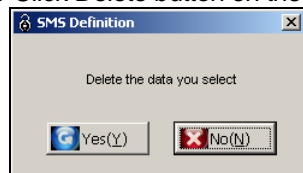
- 4) Register information on SMS receiver as below.
 - a. Click Add button.



- b. Type in name and number of the receiver.(including country code)
 - c. Click Save button then close to finish.

- To delete SMS receiver

- 5) Follow the instruction below when deleting SMS receiver.
 - a. Choose the receiver which you wish to delete from recipient list.
 - b. Click Delete button on the left.



- c. Click Yes to delete.

■ Card Event set up (Option)

Set up card event and information which you wish to send through SMS. When chosen event occur the information which you have set up will be transferred to the receiver.

SMS Definition

Save Close

☐ SMS Active

Check when using SMS function.

SMS Server Definition | Card Event Definition | I/O Event Definition

Card Event List

Card Event	Message
<input type="checkbox"/> Access Granted	%D/%T/%C/%E/%P/%N/%G/Access Granted
<input checked="" type="checkbox"/> Access Denied	%D/%T/%C/%E/%P/%N/%G/Access Denied
<input type="checkbox"/> Invalid Timeschedule	%D/%T/%C/%E/%P/%N/%G/Invalid Timeschedule
<input type="checkbox"/> Antipassback(In)	%D/%T/%C/%E/%P/%N/%G/Antipassback(In)
<input type="checkbox"/> Antipassback(Out)	%D/%T/%C/%E/%P/%N/%G/Antipassback(Out)
<input type="checkbox"/> Password Error	%D/%T/%C/%E/%P/%N/%G/Password Error
<input type="checkbox"/> Access Door Error	%D/%T/%C/%E/%P/%N/%G/Access Door Error
<input type="checkbox"/> Finger Error	%D/%T/%C/%E/%P/%N/%G/Finger Error
<input type="checkbox"/> Duress Mode	%D/%T/%C/%E/%P/%N/%G/Duress Mode

Choose event which you wish to send through SMS.

Edit information on chosen SMS event.

Contents

%D/%T/%C/%E/%P/%N/%G/Access Denied

Default

Legend

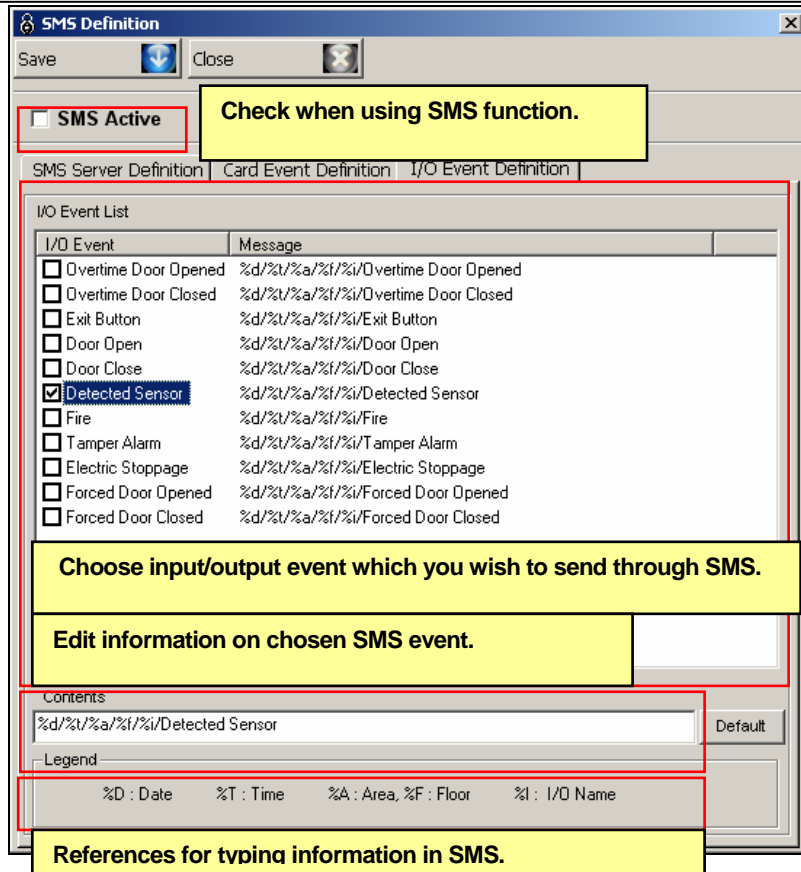
%D : Event Date	%C : Card No.	%N : Name	%G : Door Name
%T : Event Time	%E : Employee No.	%P : Part	

References for typing information in SMS.

- 1) Choose Card Event Definition.
- 2) Choose event that you wishes to send through SMS.
- 3) In contents, edit information which you wish to send in occurrence of the event.
- 4) Refer to below legend for editing.
- 5) Click "save" to store information.
- 6) Click "close" to finish.

■ Input/Output event set up

Set up information and types of input/output events which you wish to send through SMS. When chosen event occur the information which you have set up will be transferred to the receiver.



- 1) Choose I/O Event Definition.
- 2) Choose I/O event which you wish to send through SMS.
- 3) In Contents, edit information which you wish to send in occurrence of data.
- 4) Refer to below Legend for editing.
- 5) Click Save to store information
- 6) Click Close to finish.

System Management

- Output set up function
- Output status sign and control function
- Transferring all system information per controllers
- Transferring all system information per biometric readers
- Transferring all data on users per controllers
- Supports FGR006SR , FINGER006SR
- Supports FACE006

Output Set Up

Users can define all the type of devices connected to all the outputs of controllers.

For example outputs can be set to be connected to emergency exit, alarm, or other systems depending on the user's definition.

■ Start

Choose System -> I/O set up -> Output interface function.

■ I/O Setup and transmit

Once user choose port no and controller number, it shows current output setting information of the controller. Only those outputs essential for each door, as listed below, are not to be changed.

- List of essential door related output that is unchangeable.

Door Type	2 Door Type	3 Door Type	4 Door Type
Set up unable output no.	No.1 output – Lock No.2 output - Alarm No.3 output – Lock No.4 output – Alarm	No.1 output – Lock No.2 output - Alarm No.8 output – Lock No.9 output – Alarm No.10 output – Lock No.11 output – Alarm	No.1 output – Lock No.2 output - Alarm No.3 output – Lock No.4 output – Alarm No.8 output – Lock No.9 output – Alarm No.10 output – Lock No.11 output – Alarm

Output Point Definition

Transmit Save Close

Port No. 01
Controller No. 000

Choose port no and controller ID number to see its current I/O setting.

Choose Output

Choose types of Output
 . Emergency door
 . Alarm
 . Other outputs

In case of emergency door, choose the interface between exit button and door contact for emergency door(option).

In order to operate output on a certain schedule, set a time schedule.

Output time for input should be typed in seconds. (0 sec ~ 98sec, 99 for infinitive)

Choose location of the output device

Point No.	Output Type	Exit Button	Door Contact	Op Time	Timeschedule	Area	Floor	Description
01 Relay	Door (N/A)	01	02			Area 1	01F	
02 Relay	Alarm Relay (N/A)	01	02			Area 1	01F	
03 Relay	Door (N/A)	03	04			Area 1	01F	
04 Relay	Alarm Relay (N/A)	03	04			Area 1	01F	
05 TTL	Normal Relay					Area 1	01F	Main Hall Lighting
06 TTL	Normal Relay					Area 1	01F	Entrance Lighting
07 TTL	Normal Relay					Area 1	01F	Exit Lighting
08 Relay	Door (N/A)	08	09			Area 1	01F	01.0
09 Relay	Alarm Relay (N/A)	08	09			Area 1	01F	
10 Relay	Door (N/A)	10	11			Area 1	01F	01.0
11 Relay	Alarm Relay (N/A)	10	11			Area 1	01F	
12 Relay	Door	12	13			Area 1	01F	Left
13 Relay	Door	14	15			Area 1	01F	Right Emergency Door
14 Relay	Alarm Relay					Area 1	01F	Main
15 Relay	Alarm Relay					Area 1	01F	Sub

Set up information

Interface No.	Output number to set up. Must check to set up.
Output type	Devices to be connected to the output.
Exit Button	In case of emergency door, choose which exit button input should activate the output.
Door Contact	In case of emergency door choose which door contact input should activate the output.
OP Time	In case of emergency door, set output operation time once exit button is

	pressed.
Timeschedule	Automatically output control based on time schedule once it is set.
Zone	Location where the output device is installed.
Floor	Floor where the output device is connected.
Name	Name of the device connected to output

– **Set up process**

- 1) Choose the controllers address and its port address.
- 2) Output connecting point : Choose the output connecting point
- 3) Output type : Set up types of the devices connected to the output

(Emergency door , Alarm , normal output)

* When emergency door is the output contact point.

- 4) Exit Button : Choose the input contact point of the Exit button when exit button is installed on the emergency door.
- 5) Door Contact : Choose the input contact point of the Door Contact when Door Contact is installed on the emergency door.
- 6) OP Time : when exit button is installed on the emergency door choose the time(second) of Exit button. (0 sec.~98 sec. 99 for infinitive)
- 7) Timeschedule : Automatically controls in time when setting is done in output of timeschedule.
- 8) Zone, Floor, Name: Type the information on connected device.
- 9) Click Save to store data base..
- 10) Click Transfer button send to controller.

○ **Output status indication and control.**

Real time check on output connected to controller(door, alarm, normal output). Also, remote control of output is possible.

■ **Start**

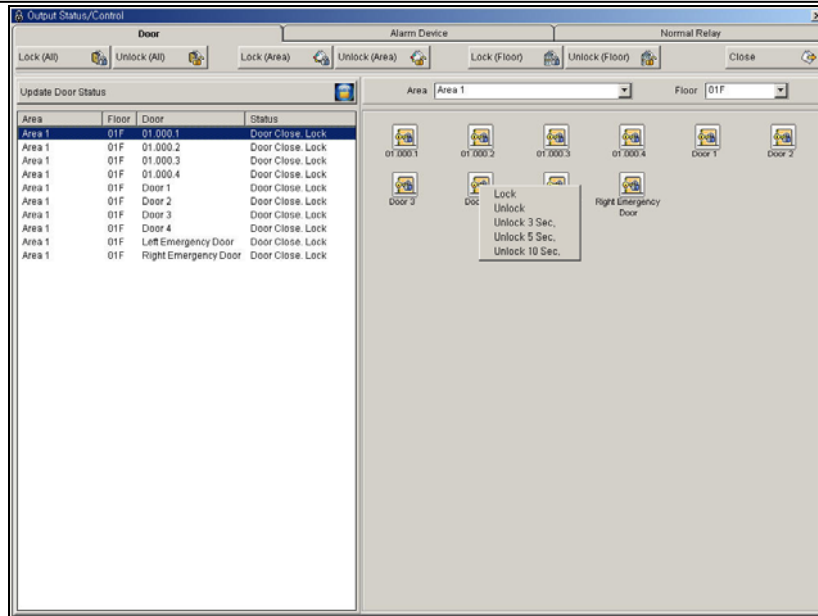
Choose Status-> door status/control.

■ **Check door status and control door**

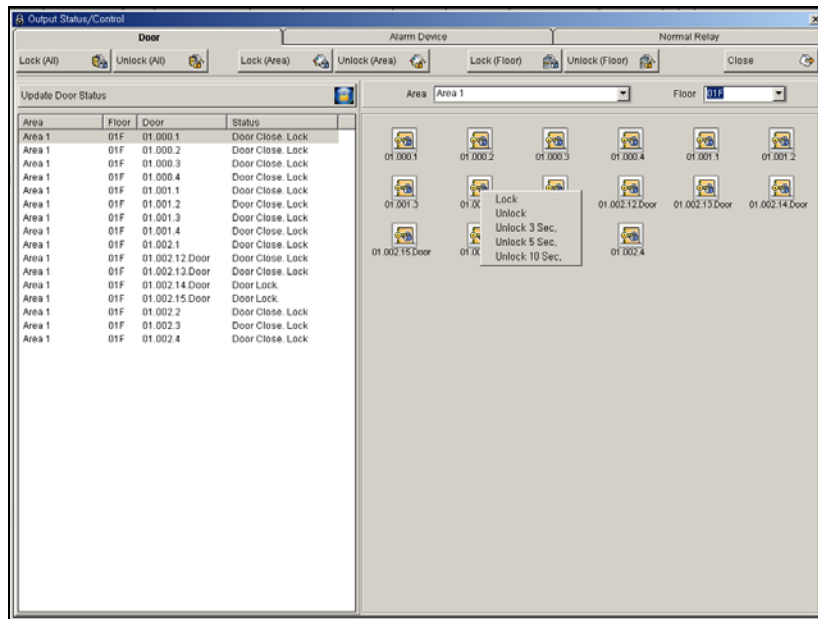
Able to check door status in real time where door has been set up from Door/Reader and output contact point. Also, able to control lock device of door through program.

- **CANCEL (ALL)** : Cancel all running output.
- **RUN (ALL)** : Run all output.
- **CANCEL (AREA)** : Cancel only chosen area of running output.
- **RUN (AREA)** : Run only chosen area of output..
- **CANCEL (FLOOR)** : Cancel only chosen floor of output.
- **RUN (FLOOR)** : Run only chosen floor of output.
- **CANCEL (EACH)** : Cancel chosen output..
- **RUN (EACH)** : Run chosen output.
- **Operation by time(sec.):** Run out put for selected time.

However, to check door/emergency door status, door contact must be installed. Otherwise it will only check the lock device.



- Door status

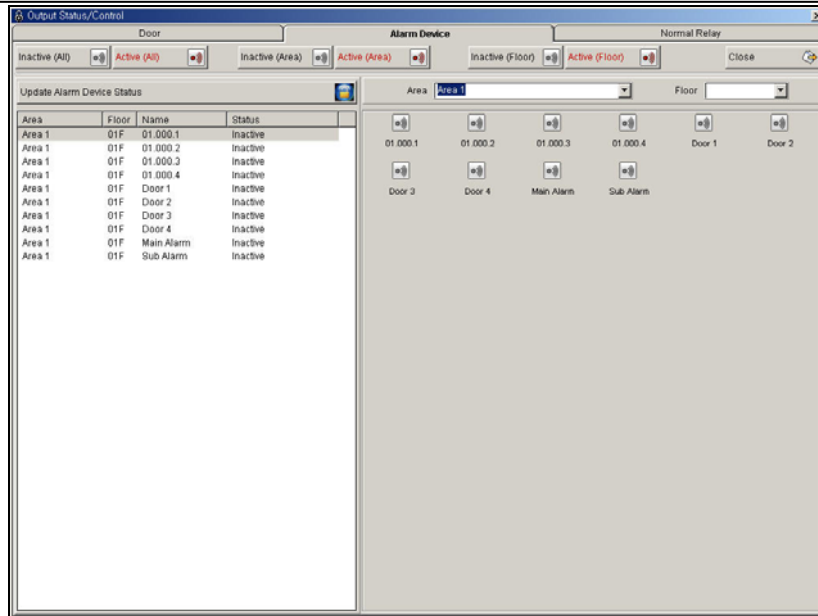


- Door control : Click right button of the mouse on the screen where there is a door. Controls door by given situation.(lock, unlock, unlock for certain period)

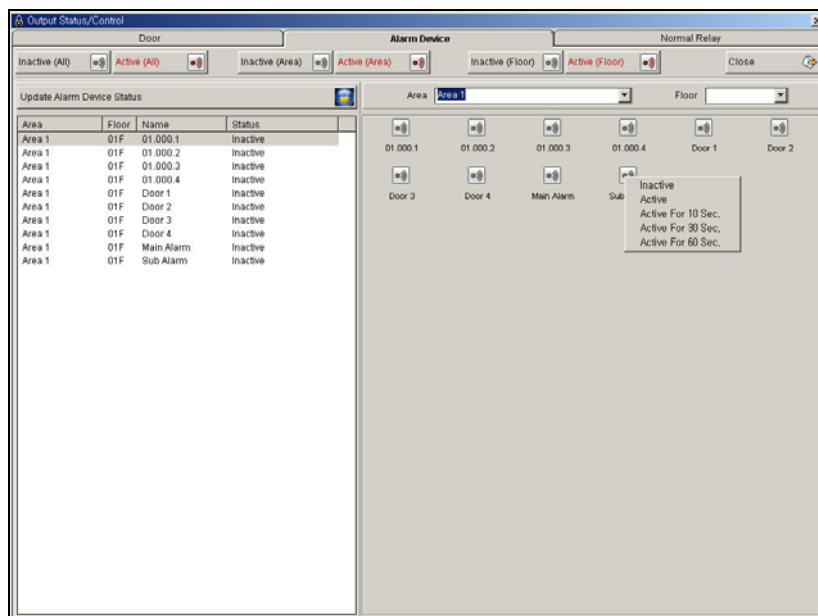
- To see alarm status and control alarm device

Able to see the status of alarm device which has been set up in the output contact point in real time. Also, alarm can be controlled through program.

- Alarm status

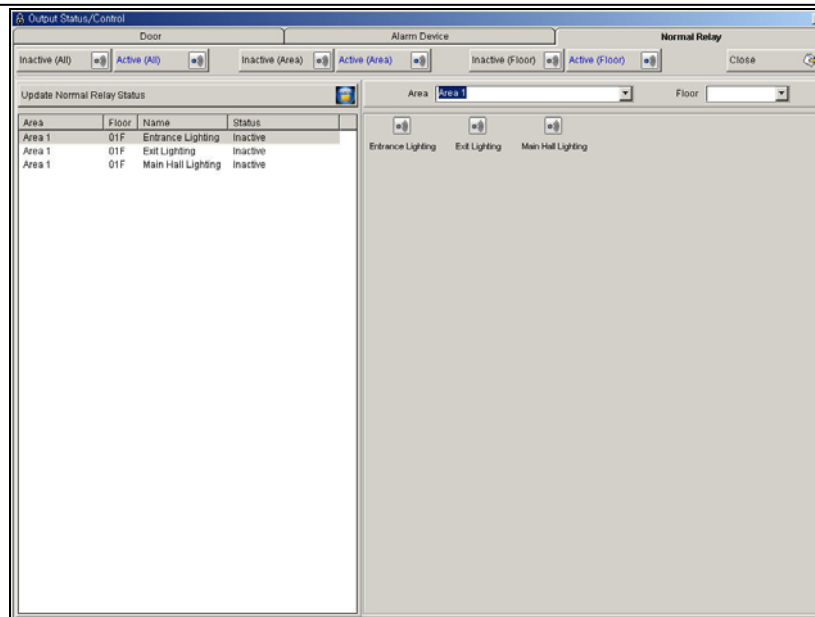


- Control of Alarm : Click right button of the mouse on the screen where there is Alarm device. Controls alarm by given situation.(Alarm on, Alarm off, Alarm on for certain period)

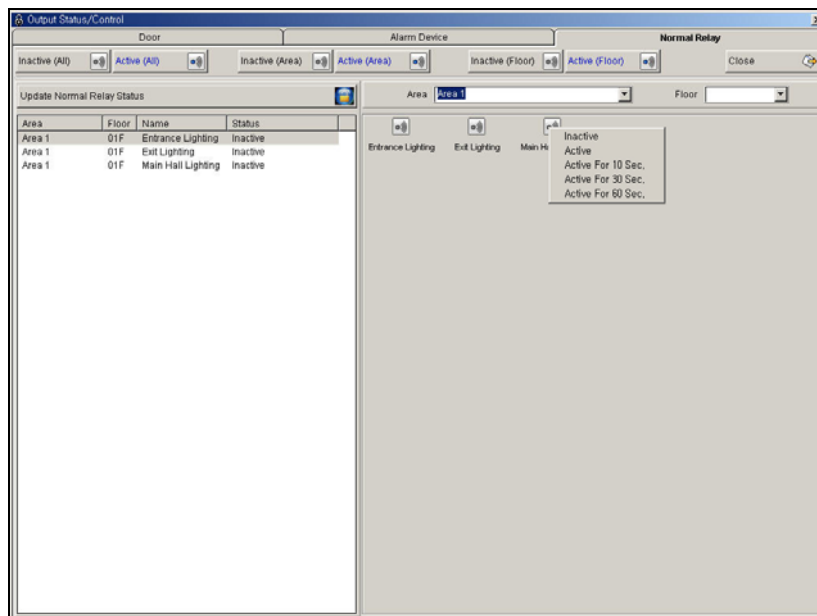


- To check and control normal output status.

Able to see normal output devices which have been set up from the output contact point. Also, normal output can be controlled through program.



- Door status



- Door lock control: Click the right mouse on the screen of door. Runs chosen devices for door(lock, unlock, lock for certain period of time).

○ **System Information Batch Transmission for Controller**

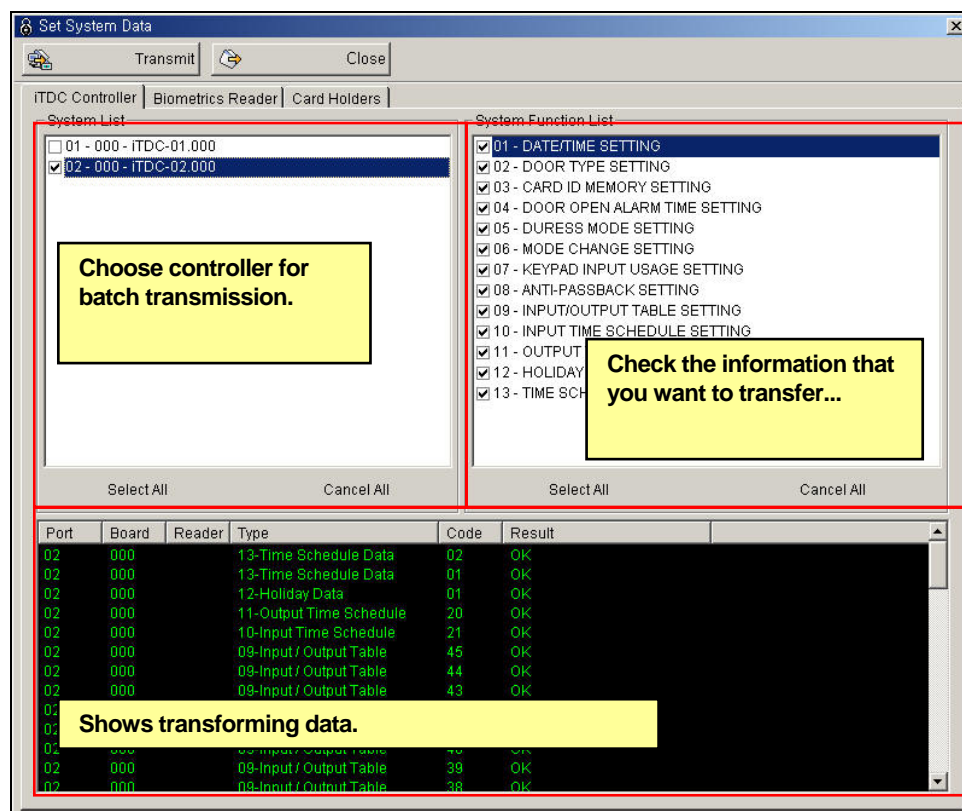
This is use to run information on system for transferring at once. Also, to install controller, choosing system and transferring information.

■ **Start**

System->System management->Transferring information->Choose controller tap.

■ **Batch transmission for controller**

This is used for transferring information at once.



- 1) Choose controller for batch transmission form the system list.
- 2) Chose the data to transfer.
- 3) Click "transfer" to send the data to controller.

- 4) The transferred data is shown on the result list as below..
- 5) If the transmission is failed follow the error message instruction.
If there is no system information on the Data Base, transmit after registering information.
For cause of communication error, try it again or check the communication.

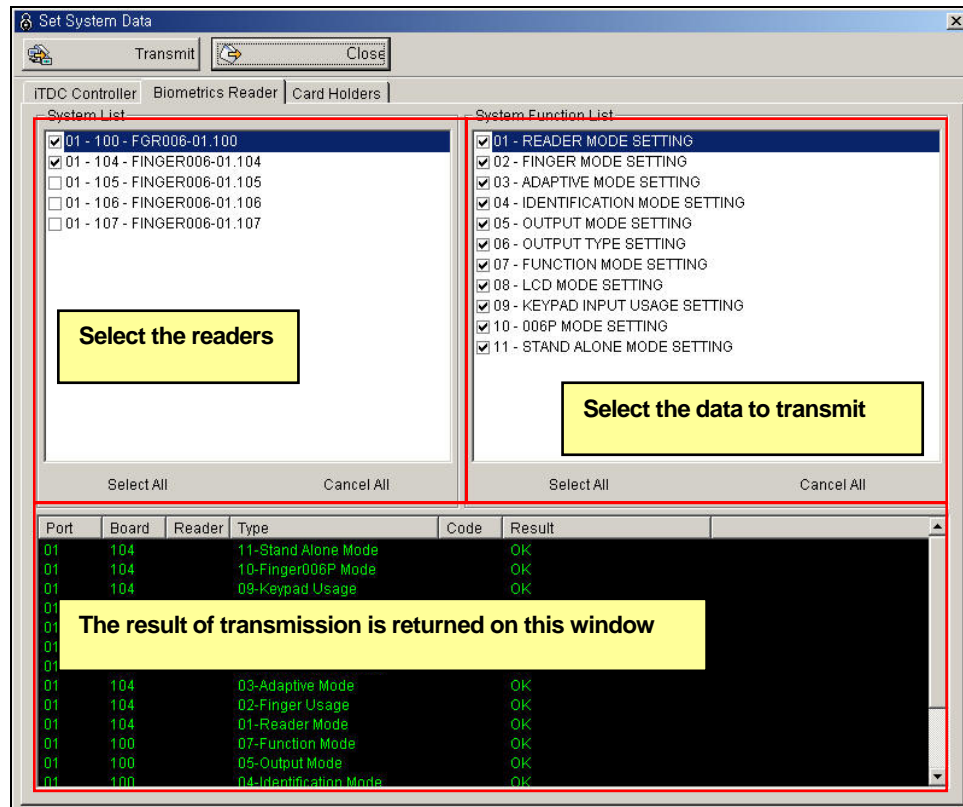
Batch Transmission of system information

System setting and data transmission after initial installation and initialization of Biometric readers

Open

System->System management-> Data Transmission-> Biometric Reader

- Batch selection of Biometric readers



- 1) Select the readers from the list
- 2) Select the data from the list
- 3) Click "transmission" button
- 4) The transmission result is returned on the window
- 5) If the transmission is not successful, check the database and the communication status.

○ **Batch transmission of Cardholders' data to the controller and the biometric reader**

■ **Open**

System->System management-> Data Transmission -> transmission to controllers

■ **Batch transmission of Cardholders' data**

Set System Data

Transmit Close

ITDC Controller | Biometrics Reader | **Card Holders**

System List

- ☐ 01 - 000 - ITDC-01.000
- ☐ 01 - 100 - FGR006-01.100
- ☐ 01 - 104 - FINGER006-01.104
- ☐ 01 - 105 - FINGER006-01.105
- ☐ 01 - 106 - FINGER006-01.106
- ☐ 01 - 107 - FINGER006-01.107
- ☐ 02 - 000 - ITDC-02.000

Option

☐ All card holders in database transmit

☒ Searched card holders in database transmit

Search Condition

Company: [Dropdown] Search [Icon]

Employee No.: [Text]

Name: [Text]

Card No.: [Text]

Sort By: [Dropdown]

Sort Order: [Dropdown]

☐ Serial card no. transmit

[Text] ~ [Text]

Access Group: [Dropdown]

0%

0%

Select All Cancel All

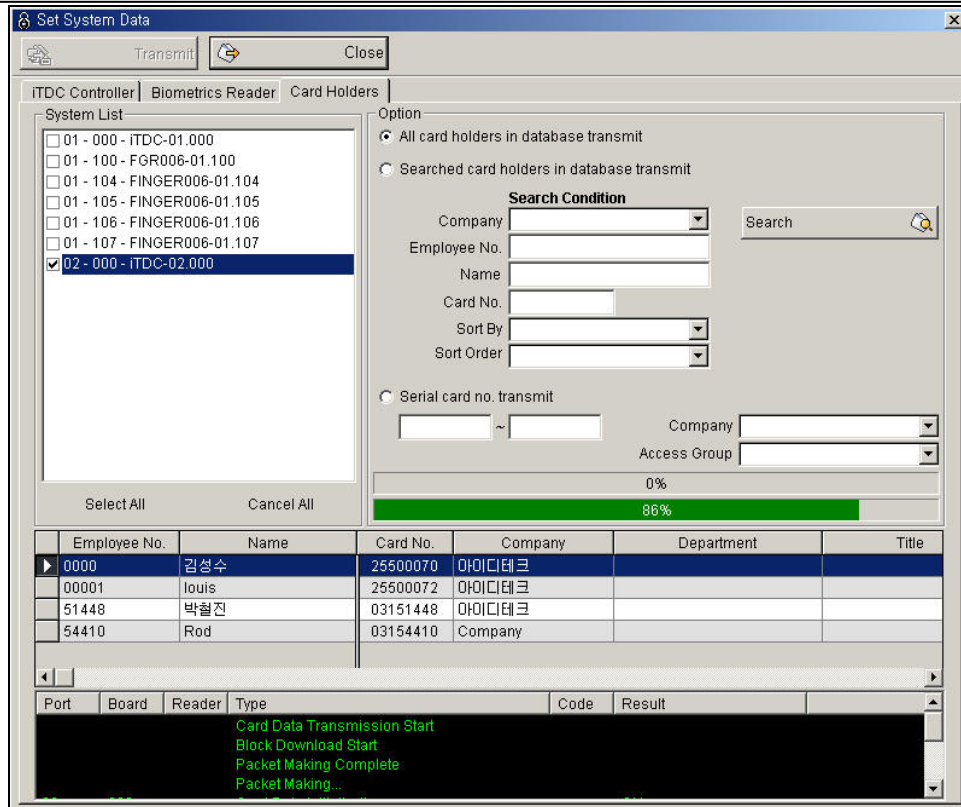
Employee No.	Name	Card No.	Company	Department	Title
0000	김성수	25500070	아이디테크		
00001	Jouis	25500072	아이디테크		
51448	박철진				
54410	Rod				

Port Board Reader Type Code Result

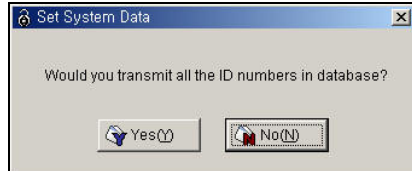
1) Select controllers or readers from the list

■ **Data transmission**

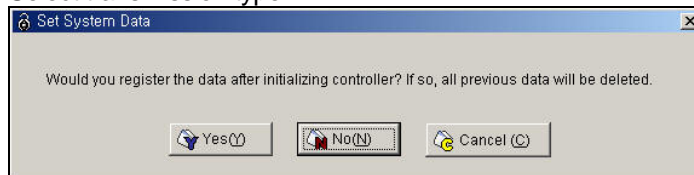
Transmit cardholders' information registered in program. Transmit data cardholders accessible to the selected system.



- 2) Select " the transmission of all registered cardholders' data"
- 3) Click "Transmission" button.
- 4) Select "Yes".

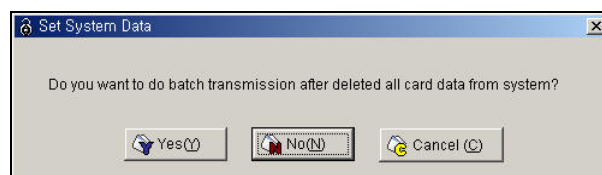


- 5) Select transmission type.



- 5-1) Transmission after initialization : click "Yes" button
Caution : All the card data will be erased before transmission.

- 5-2) Transmission without deleting existing data : Select 'No'
Select transmission type. To delete and register the card data again, select "Yes". To modify existing card data without deleting, select "No".

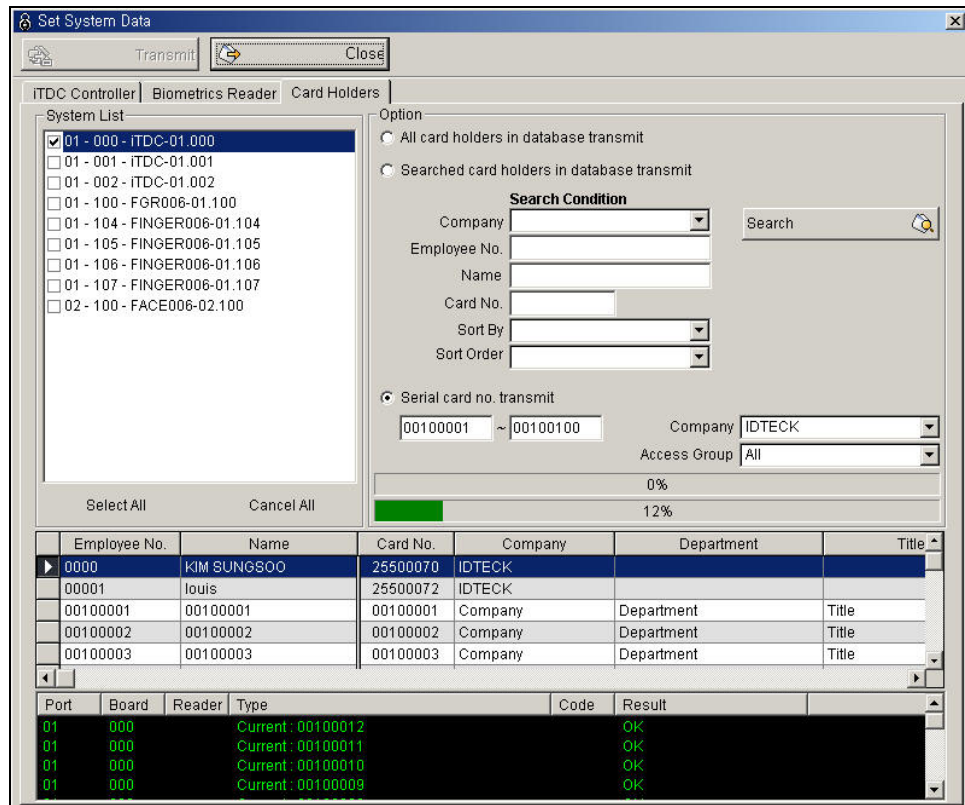


- 5-3) If you want to cancel the transmission, click 'Cancel' button.

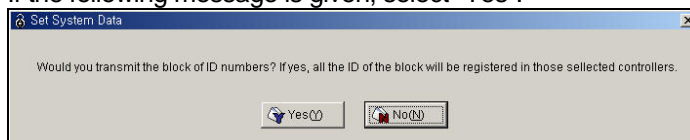
- Transmission of consecutive card numbers.

Select the range of card numbers to transmit. It is very convenient to transmit the consecutive card numbers.

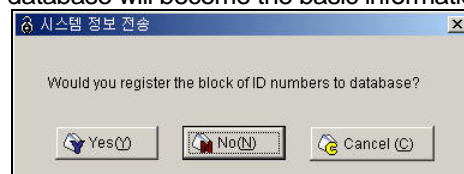
Caution : Cardholders being registered to the controller automatically gain access to all the doors connected to the controller. When being registered to the biometric reader, not biometric data but card number and pass word (default :0000) will be registered. Biometric data can be registered later on.



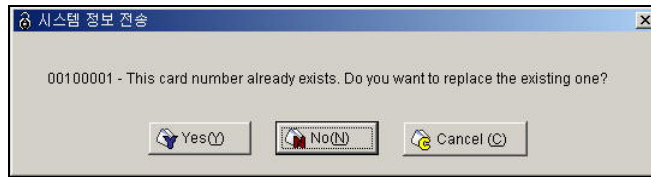
- 6) Select "Consecutive card number transmission"
- 7) Set the card number range to register. Select company and group to register the data collectively.
- 8) Click "transmit" button.
- 9) If the following message is given, select "Yes".



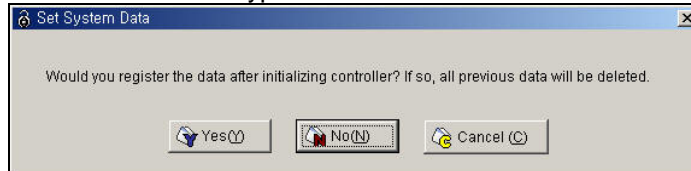
- 10) Decide whether to register the data collectively to the database. The data registered to the database will become the basic information.



- 10-1) If the card number already exists, the following message will be given.
To modify existing data, select "Yes". If not, select "No"

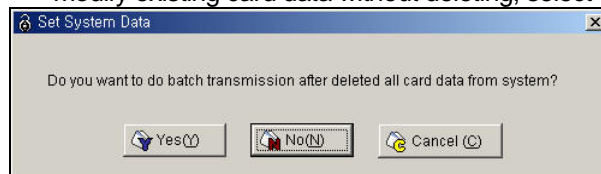


11) Select transmission type



11-1) Transmission after initialization : Select 'Yes'
Caution : All the card data will be erased.

11-2) Transmission without deleting existing data : Select 'No'
Select transmission type. To delete and register the card data again, select "Yes". To modify existing card data without deleting, select "No".



11-3) Select 'Cancel' to cancel transmission

12) The transmission result will be displayed on the list

○ **FGR006(SR) , FINGER006(SR) .**

Biometric reader setting, operation and fingerprint management are feasible.

■ Open

system->biometric reader setting

■ FGR006(SR)

Click "Add/modify" button. Set the address of the biometric reader. To change FGR006(SR)'s setting values, save and transmit the changes. .

Biometrics Reader set up

Transmit Save Close

Port No. 01

Unregistered Biometrics Reader No. List

Biometrics Reader No.
100
101
102
103
104
105
106
107
108
109
110

Registered Biometrics Reader No. List

Reader No.	Reader Name	Reader Type
100	01.100	FGR006
104	01.104	FINGER006
105	01.105	FINGER006
106	01.106	FINGER006
107	01.107	FINGER006

Select Biometrics Reader

FGR006

Reader Name

01.100

Biometrics Reader Function

FGR006(SR) FINGER006(SR) FACE006(SR)

Reader Mode 2-RF+Fingerprint

Fingerprint Mode 0-Single Mode

Adaptive Mode 1-Use

Identification Mode 1-Use

Output Mode 0-26Bit Wiegand

Function Mode 0-Reader Mode

Default Value

■ FINGER006(SR)

Click "Add/modify" button. Select the address of the biometric reader. To change FINGER006(SR)'s setting values, save and transmit the changes.

Biometrics Reader set up

Transmit Save Close

Port No. 01

Unregistered Biometrics Reader No. List

Biometrics Reader No.
100
101
102
103
104
105
106
107
108
109

>>

Registered Biometrics Reader No. List

Reader No.	Reader Name	Reader Type
100	01.100	FGR006
104	01.104	FINGER006
105	01.105	FINGER006
106	01.106	FINGER006
107	01.107	FINGER006

Select Biometrics Reader

FINGER006

Reader Name

01.105

Biometrics Reader Function

FGR006(SR) FINGER006(SR) FACE006(SR)

Reader Mode 2-RF+Fingerprint

Fingerprint Mode 0-Single Mode

Adaptive Mode 1-Use

Identification Mode 1-Use

Output Mode 0-26Bit Wiegand

Output Type 0-Normal

LCD Display 0-Status

Key Pad 1-Use

Stand Alone 1-Use

FINGER006P 0-Not Use

Default Value

- **FACE006(SR)**

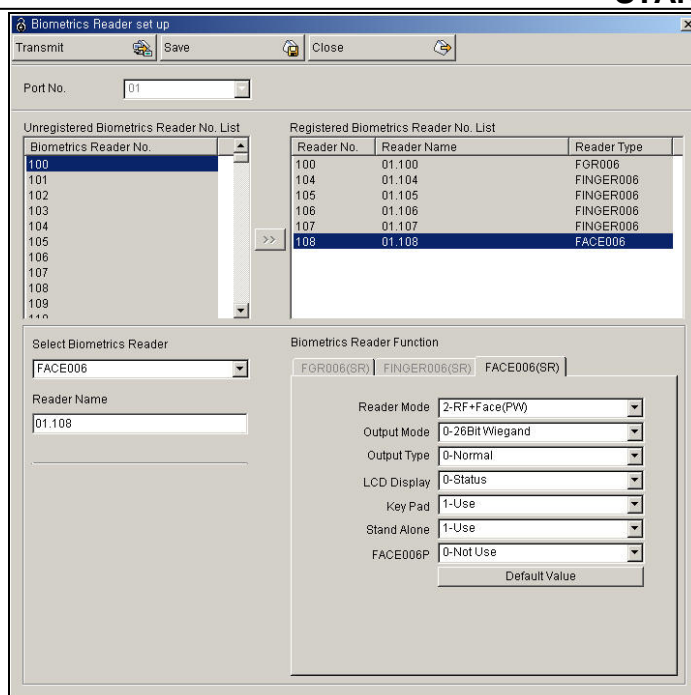
FACE006(SR) setting, operation and face data management are feasible.

- Open

system->select "biometric reader"

- FACE006(SR)

Click "Add/modify" button. Select the address of the biometric reader. To change FACE006(SR)'s setting values, save and transmit the changes



- Functions of (FGR006(SR), Finger006(SR))

Functions	Description
Reader Mode	RF Only RF + Fingerprint , Face (PW) RF + PW + Fingerprint , Face
Fingerprint Mode	Dual Mode : to register 2 different fingerprints under a single ID (low recognition effectiveness) Single Mode : to register a fingerprint twice
Adaptive Mode	Use : to enhance the effectiveness of fingerprint recognition (recognition process is comparatively slow. The red light of the module blinks while scanning) Not Use : Disable Adaptive Mode
Identification Mode	By Auto Match(fingerprint only) Use : allows you to obtain access by using a fingerprint only Not Use : Disable identification mode
Output Mode	26 Bit Wiegand ABA Track II
Output Type	Transmit the recognition result through the separate line Normal : Only after successful recognition, the card number will be sent out Extension : after recognition, the card number is sent out and the result will be sent out through the separate lines (Ok, Error)
Function Mode	Registration Mode : to register fingerprints Reader Mode : normal fingerprint reading mode
LCD Display	Status : the recognition result will be displayed Card No : Card number will be displayed.
Key Pad	Use : enter the card number by Key Pad Not Use : disable Key Pad
006P	Use : recognition process will be made by PIN without a card. Not Use : A card is needed in recognition process.
Stand Alone	This functions is not available by now. By default, set as " Use "

Time & Attendance

- Establishing Work schedule

- Establishing Work schedule

The work schedule function is designed to apply different work schedules by day to each group of workers. The work schedule consists of arrival time, departure time, lunch time and night shift. It is designed to assign different holidays to each week..

- Open

Time & Attendance -> work schedule definition.

- Assign work schedule by day

Day	Holiday	Day In Time	Day Out Time	Over Time	Next Day Time	Lunch Out Time	Lunch In Time
Sunday	<input checked="" type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Monday	<input type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Tuesday	<input type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Wednesday	<input checked="" type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Thursday	<input type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Friday	<input type="checkbox"/>	09:00:00	18:00:00	19:00:00	04:00:00	00:00:00	00:00:00
Saturday	<input type="checkbox"/>	09:00:00	13:00:00	19:00:00	04:00:00	00:00:00	00:00:00

- instruction

- 1) Enter work schedule code
- 2) Enter the name of work schedule
- 3) Fill in work schedule field at your discretion
- 4) Absence check function is not feasible for a holiday. Overtime work is applied to the employee working on a holiday.
- 5) batch application : If the work schedules are regular during the week, set the time and click "batch application" button.

Cardholder management

- Biometric data transmission/receipt
- registration terminal.
- Cardholder definition field.
- ID Badging

- Biometric data transmission/receipt
 - FGR006(SR) , FINGER006(SR) , FACE006(SR)

- Open

Access control -> Cardholder management

■ Data transmission

The biometric data should be registered to the reader in advance.

- 1) Select the cardholder and click “modify” button.
- 2) Move on to the biometric data management tap.
- 3) Select “ Use Biometric recognition ”
- 4) To apply setting values, click “Save” button.
- 5) Select the system storing the biometric data.
- 6) Click “receive” button. Face data and fingerprint data will be saved in different forms.
- 7) In case of failure of receipt, make sure that the data has been correctly registered in the system and communication between the reader and the PC is on progress.

○ Registration terminal.

Connect the separate reader to the PC directly for the registration terminal. If you present a card to this reader, cardholder registration window pops up and the card number will be registered automatically.

■ Open

System-> Loop setting

■ RF reader registration.

- 1) Modify “ Reader Chain loop (00) “
- 2) Click “ loop activation”
- 3) Select the serial port connected to the reader.

4) Select Baud rate as 9600 bps , Parity bit as NONE , data bit as 8 , Stop bit as 1

5) Click “ Save” button.

■ Automatic card data registration

1) Present a card to the reader connected to the PC

2) The card number will be displayed on the cardholder registration window.

○ **Cardholder definition field**

In cardholder registration, up to 10 kinds of information can be registered. The information is also available in ID Badging system

■ operation

Access control-> cardholder management -> cardholder definition tap

■ Registration

Select the cardholder to register and click “modify” button..

Card Holder

Transmit Save Close(F4)

Employee No. 0000
Name KIM SUNGSOO
Card No. 25500070
Password ****

0%

Detail Information | Access Right | Time & Attendance | Biometric Template Management | Latest 20 Access Events | Access Group for Lift | User Defined Filed | ID Badging

User Defined Filed

User Defined Field 1	STARWATCH ITDC PRO VII Developer
User Defined Field 2	
User Defined Field 3	4567-69513-421145
User Defined Field 4	
User Defined Field 5	
User Defined Field 6	
User Defined Field 7	
User Defined Field 8	
User Defined Field 9	
User Defined Field 10	

1) Select “ cardholder definition” field tap.

- 2) Enter values for “cardholder definition” fields.
- 3) Click “Save” button to save the changes

○ ID Badging system

Preview of ID Badging image and Modification of ID Badging design

■ Operation

Access control -> cardholder management. Switch to ID Badging tap

■ Preview

Select the cardholder from the list and Click “modify” button.

The screenshot shows a web application window titled "Card Holder". It has a menu bar with "Transmit", "Save", and "Close(F4)". Below the menu bar, there are input fields for "Employee No." (0000), "Name" (KIM SUNGSOO), "Card No." (25500070), and "Password" (****). Below these fields, there is a progress bar showing 0%. A tabbed interface is visible with tabs for "Detail Information", "Access Right", "Time & Attendance", "Biometric Template Management", "Latest 20 Access Events", "Access Group for List", "User Defined Filed", and "ID Badging". The "ID Badging" tab is selected, showing a preview of an ID badge. The badge includes the text "RFID & BIOMETRICS", "KIM SUNGSOO", "Assistant Research Eng. / R&D Center", "IDTECK Co., Ltd.", and contact information: "5F, Ace Techno Tower B/D 6xx-1, Deungchon-dong, Gangnam-Gu, Seoul, 151-030, Korea", "Fax: (82-2)2629-0086", and "WebSite: www.idteck.com". There is a "Design" button with a blue icon next to the badge preview.

- 1) Select ID Badging tap.
- 2) To modify a design, click “Design modify” button.

Functions added to STARWATCH ITDC PRO I

: *Applied only to STARWATCH ITDC PRO I v2.00.00 or over.*

Added functions

System management

- **Fire Group**
 - Set controller's input point on fire signal.
According to fire signal, **Fire Group** function sets up emergency (fire) exit.
When fire signal occurs, set access door will be open.
- **Alarm Controller Arm/Disarm**
 - **Alarm Controller Arm/Disarm** function to set/release boundary signal connecting Alarm Controller. After entering set/release number using reader (-RFK101 etc.) which sends 8bit Burst signal, you can set/release boundary signal if card has been read.

Card holder management

- **2 Men Operation**
 - If Administrator Card and Visitor Card had been read to reader, **2 Men Operation** function would have been registered Administrator Card and Visitor Card to open access door.
- **Personal Tracking**
 - **Personal Tracking** function monitors being permanently stationed passer at Access Control System.
- **Guard Tour**
 - **Guard Tour** function register/manage patrolman card, patrol area and patrol time.
And it manages to result according to patrol.

A. Detailed description of added functions.

System Management

- Fire Group
- Alarm Controller Arm/Disarm

○ Fire Group

Set controller's input point on fire signal.

According to fire signal, **Fire Group** function sets up emergency (fire) exit.

When fire signal occurs, set emergency (fire) exit will be open.

In case of no set Fire Group, occurred fire signal will make open connected all access doors in system.

- Fire Signal Definition

Should set connected fire signal on controller's input point to set **Fire Group**.

■ Start

Set Up -> Input/Output Definition -> Set fire signal on connected input point with fire signal selecting controller's input point Definition.

■ Set up Input Point Definition

Input/ Output Definition set up mutual operational relation to occur signal for specific output when input signal occurs. And Input/Output sets seconds if output signal operates for some time.

In addition, when input signal occurs, type of input signal and text of indicated customized definition can set.

According to setting door type of input/output controller, relational information about input/output signal conception by standard controller default value was created and saved automatically on database.

On this account, user cannot need addition and deletion. In case of changing only some information about mutual occurrence relation, operation time, input point of input/output signal, user can modify and transfer.

■ Find

In case of existing set information already, Find is used when you search data in accordance with condition using Find condition. Therefore Find is used when you modify existing data.

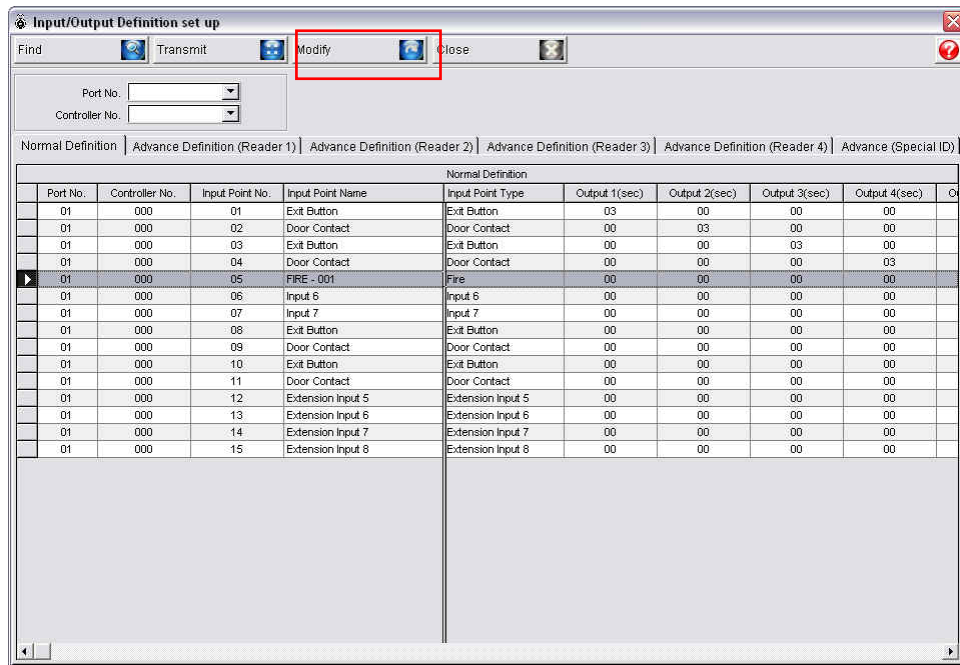
Port No.	Controller No.	Input Point No.	Input Point Name	Input Point Type	Output 1(sec)	Output 2(sec)	Output 3(sec)	Output 4(sec)
01	000	01	Exit Button	Exit Button	03	00	00	00
01	000	02	Door Contact	Door Contact	00	03	00	00
01	000	03	Exit Button	Exit Button	00	00	03	00
01	000	04	Door Contact	Door Contact	00	00	00	03
01	000	05	FIRE - 001	Fire	00	00	00	00
01	000	06	Input 6	Input 6	00	00	00	00
01	000	07	Input 7	Input 7	00	00	00	00
01	000	08	Exit Button	Exit Button	00	00	00	00
01	000	09	Door Contact	Door Contact	00	00	00	00
01	000	10	Exit Button	Exit Button	00	00	00	00
01	000	11	Door Contact	Door Contact	00	00	00	00
01	000	12	Extension Input 5	Extension Input 5	00	00	00	00
01	000	13	Extension Input 6	Extension Input 6	00	00	00	00
01	000	14	Extension Input 7	Extension Input 7	00	00	00	00
01	000	15	Extension Input 8	Extension Input 8	00	00	00	00

3) You select condition in accordance with Port No. and Controller No.

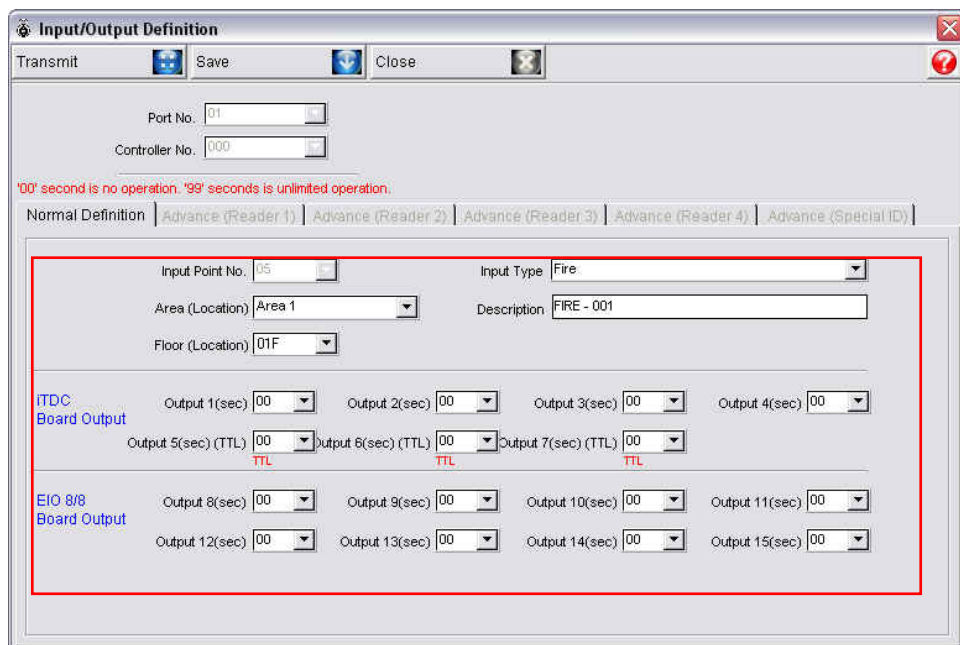
4) You search clicking Find button. In case of existing found result, detail is indicated.

■ Modify

To set by fire signal, you modify Input point which fire signal was inputted. And you select controller's input point to modify. Selected data is indicated on selection.



9) You click Modify button.



10) You select Area(Location), Floor(Location) information. If you select location which input signal occurs, you can confirm which event occurred any location at event occurrence.

11) Set input point's type on **Fire**. STARWATCH V2.00.00 recognizes selected input point to fire signal.

- 12) Input point name indicates showed text on event occurrence window when fire signal occurs
- 13) From 1 to 15 output decides whether output separately operates or doesn't operate when corresponding input signal (fire signal) occurs. Inputted value on output set time (seconds) that output operates.
- 14) In case of inputting 00s, corresponding output signal doesn't occur. When you input (select) from 01s to 99s range value, relative output as set second as operates. Access door can be open through controller by itself as well as STARWATCH
- 15) Save clicking a Save button.
- 16) Transmit to controller clicking Transmit button.
- 17) Finish clicking Close button.

- Fire Group Definition

When fire point occurs, Fire Group Definition appoints access door that will be open.

■ Start

Set Up -> Select **Fire Group Definition**.

■ Find

In case of having set information already, Find is used when you search data in accordance with condition inputting find condition. When you modify existing data, Find is used.

■ Add

Add is used when you generate new data. When you supplement Fire Group, you input data clicking 'Add' button on data input screen.

Fire Group List

Find

Find Condition

Fire Group Code:

Fire Group Name:

Fire Group Code	Fire Group Name	Port No.	Controller No.	Input Point No.	Input Point Name
0100005	FIRE GROUP - 01	01	000	05	FIRE - 001
0100007	FIRE GROUP - 02	01	000	07	Input 7

Fire Group Code	Area	Floor	Door	Port No.	Controller No.	Door No.	Output Point
0100007	Area 1	01F	ED1	01	000	5	08
0100007	Area 1	01F	ED2	01	000	5	09
0100007	Area 1	01F	ED3	01	000	5	10
0100007	Area 1	01F	ED4	01	000	5	11

12) Click 'Add' button. Then registration screen about Fire Group is showed.

Fire Group Definition

Save

Fire Point (Code):

Area	Floor	Input Point Name	Port No.	Controller No.	Input Point No.
Area 1	01F	FIRE - 001	01	000	05

Area	Floor	Access Door
Area 1	01F	Door 1
Area 1	01F	Door 2
Area 1	01F	Door 3
Area 1	01F	Door 4
Area 1	01F	ED1
Area 1	01F	ED2
Area 1	01F	ED3
Area 1	01F	ED4

Area	Floor	Access Door
------	-------	-------------

>> <<

13) Select fire point to register wished Fire Group. If fire point has set, fire point code is automatically allocated.

14) If set fire point doesn't exist, you can't set **Fire Group**.

Fire point code is order of port number, controller number and input point number.

The screenshot shows the 'Fire Group Definition' window. At the top, there are 'Save' and 'Close' buttons. Below them, the 'Fire Point (Code)' is set to '0100005' and the 'Fire Point Name (Name)' is 'FIRE - 001'. The window is divided into two main sections: 'Available Access Door List' on the left and 'Selected Access Door List' on the right. The 'Available Access Door List' contains a table with 8 rows of data. The 'Selected Access Door List' is currently empty. Between the two lists are '>>' and '<<' buttons.

Area	Floor	Access Door
Area 1	01F	Door 1
Area 1	01F	Door 2
Area 1	01F	Door 3
Area 1	01F	ED1
Area 1	01F	ED2
Area 1	01F	Door 4
Area 1	01F	ED3
Area 1	01F	ED4

- 15) When you input fire point signal, you select access door wished to open. Add to Fire Group clicking '>>' button or cancel clicking '<<' button

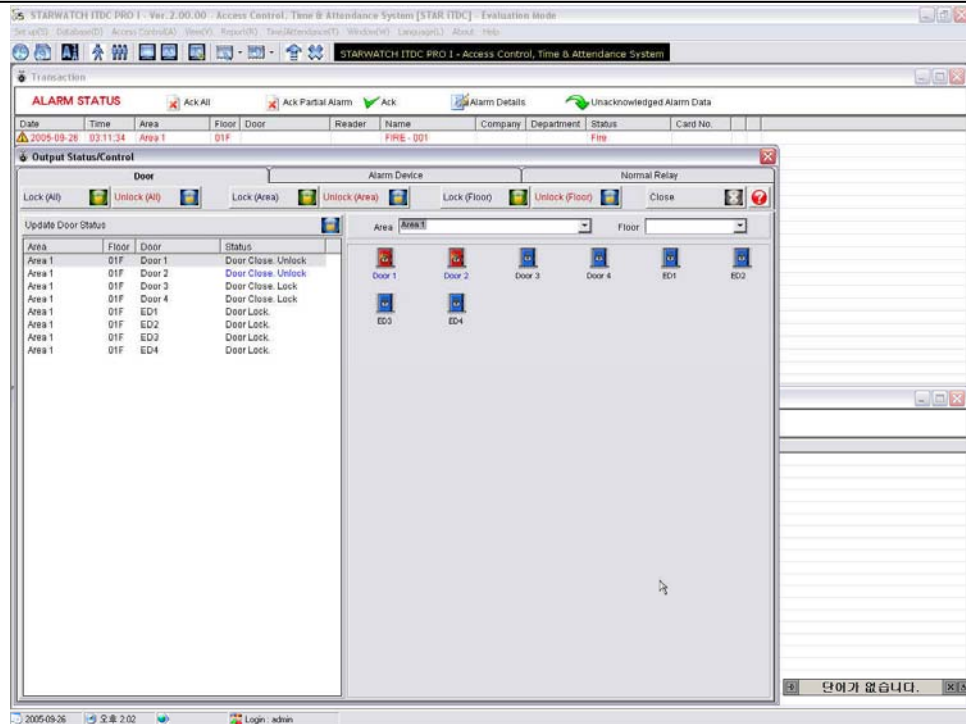
This screenshot shows the same 'Fire Group Definition' window after two access doors have been selected. The 'Available Access Door List' now shows 6 rows of data, with 'Door 1' and 'Door 2' missing. The 'Selected Access Door List' now contains two rows: 'Area 1, 01F, Door 1' and 'Area 1, 01F, Door 2'. The '>>' and '<<' buttons remain between the lists.

Area	Floor	Access Door
Area 1	01F	Door 3
Area 1	01F	ED1
Area 1	01F	ED2
Area 1	01F	Door 4
Area 1	01F	ED3
Area 1	01F	ED4

Area	Floor	Access Door
Area 1	01F	Door 1
Area 1	01F	Door 2

- 16) Save selected access door clicking 'Save' button.

- 17) When signal occurs on fire point, set Fire Group access door will be open on fire point.



○ Alarm Controller Arm/Disarm

Alarm Controller Arm/Disarm is function to set/release boundary signal connecting Alarm Controller. After entering set/release code (2 digit) using reader (-RFK101 etc.) which sends 8bit Burst signal, you can set/release boundary signal if card has been read.

When **Alarm Controller Arm/Disarm** sets, output operates according to set output. Although card make read all reader, output etc. don't operate. Arm/Disarm card is only read. If you don't use **Alarm controller Arm/Disarm function**, you can set general card to disable [person](#). If set card on disable card is read, exit can be open as well as set output time in input point definition separately.

- Controller Definition

You should do boundary set/release on connected controller with alarm controller.

You actively set **Alarm Controller Arm/Disarm** function and then do Arm code (2 digit) and Disarm code (2 digit). If you don't set **Alarm Controller Arm/Disarm** function, general card can be used on disable person mode.

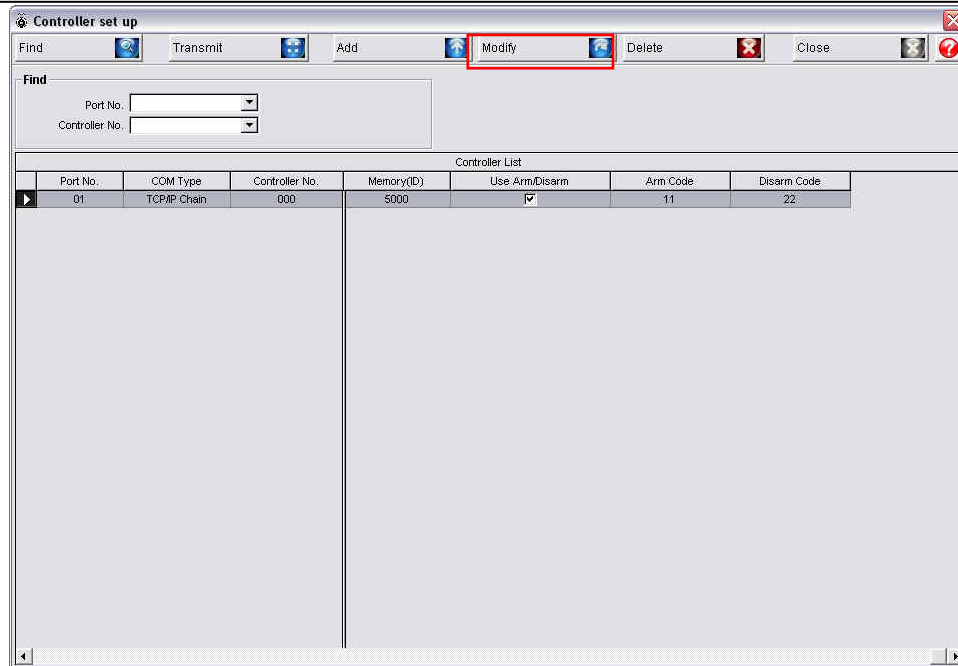
■ Start

Set up-> Controller Definition.

■ Alarm controller connected setting, Arm number, Disarm number setting

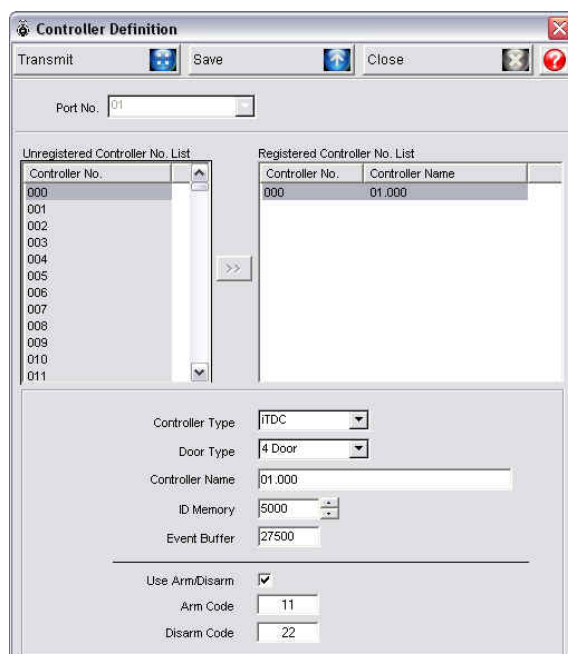
You set up Alarm Controller Arm/Disarm function.
You set up Arm code and Disarm code.

- 1) Select controller wished to set on controller contents.
- 2) Click 'Modify' button.



- 3) When connecting with alarm controller, you select Alarm Controller Arm/Disarm. If you select Alarm Controller Arm/Disarm, setting field of Use Arm/Disarm, Arm code and Disarm code will show. Input usable 2 digits code on each mode. If card is read after pushing set code on keypad, Arm/Disarm will be activated.

When setting Arm/Disarm mode, set output generates on Input/Output Point Definition. Besides it processes not to access about being read card through reader until reading Arm/Disarm card.



- Input / Output Point Definition

When you set Alarm Controller Arm/Disarm, **Input / Output Point Definition** set output to operate. Classified by each reader of controller, you can set output according to Alarm Controller Arm/Disarm.

For example, when you set Alarm Controller Arm/Disarm on number 1 reader, it makes output of number 2 and 4 operate.

Operation time setting is possible until 98 s from 01s.

Output of each reader doesn't operate on 00s and means infinite operation on 99s.

If Alarm Controller Arm/Disarm doesn't use, Input/Output Point Definition will be output about disable person.

- Start

Set up -> Input/Output Definition -> Input Point Definition

- Output Definition by Arm/Disarm Mode Definition

Set output to operate when setting Alarm Controller Arm/Disarm.

If Alarm Controller Arm/Disarm hasn't been set, it would be output about disable person card.

- 1) Select Advance (Special ID) on Input/Output Point Definition contents.

Port No.	Controller No.	Input Point No.	Input Point Type	Output 1(sec)	Output 2(sec)	Output 3(sec)	Output 4(sec)	Output 5(sec)
01	000	46	RF1 SPECIAL ID(Valid Special ID)	00	00	00	00	00
01	000	47	RF2 SPECIAL ID(Valid Special ID)	00	00	00	00	00
01	000	48	RF3 SPECIAL ID(Valid Special ID)	00	00	00	00	00
01	000	49	RF4 SPECIAL ID(Valid Special ID)	00	00	00	00	00

- 2) After selecting part of wished output according to Alarm Controller Arm/Disarm setting, click 'Modify' button.

Example)

Input/Output Definition set up is window to set output at Arm/Disarm(Disable Person Mode) setting on 01 port and number 1 RF reader of 000 Controller.

- 3) Set Board Output to operate at Arm/Disarm (Disable Person Mode) setting. Do about each output.
Setting about Operation second is possible from 01s to 98s.
Output doesn't operate on 00s and operates infinitely on 99s.
- 4) Save data clicking 'Save' button.
- 5) Apply to controller clicking 'Transmit' button.

- Arm / Disarm Card , Disable Card Definition

Set card to operate Arm/Disarm Mode. If you set not to use Arm/Disarm Mode of controller, it will be set about disable person.

■ Start

Access Control -> Card Holder Management

■ Arm/Disarm Card Definition

Set card to definite Arm/Disarm Mode.

- 1) Click 'Add' button on Card Holder List.
- 2) Input card information to definite Arm/Disarm Code.
(Be similar with Employee Card's registration.)
- 3) Select to Card Option tab.
If you select to Arm/Disarm Mode in controller setting, Card Option will show as shown below.

Card Holder

Transmit Save Close

Employee No. 00000
Name jimss
Card No. 25500070
Password ****

0%

Detail Information | Access Group | Time & Attendance | User Defined Filed | **Card Option**

Card Option

- ☐ **Employee Card**
Use a registered card. Cardholder place their card to reader. Open the door if card registered to door.
- ☐ **Management Card**
Use the management card for guard. Since placing visitor card, if place the management card for guard, that door will open.
- ☐ **Disabled User Card**
Door will be opened during pre-defined time. Door open time can be setup by Input/Output definition.
- ☒ **Arm / Disarm Card**
To active alert mode enter security number of arm mode and read a card. To deactivate alert mode, enter security number of disarm mode and read a card.

- 4) If you use registered card to Arm/Disarm Card, you must select to Arm/Disarm Mode.
- 5) Save data clicking 'Save' button.
- 6) Apply to controller clicking Transmit button.

■ Arm / Disarm Card Operation

- 1) Arm: Read card after inputting setting code of Arm/Disarm Mode in Arm/Disarm setting reader (keypad reader usable of RFK101 etc.).
According to Arm/Disarm setting, output operates and reader doesn't read other card except Disarm Card.
- 2) Disarm: Read card after inputting setting code of Arm/Disarm Mode in Arm/Disarm setting reader (keypad reader usable of RFK101 etc.).
Arm Mode is released and output is operated according to setting. Reader reads all cards.

※ **Caution: In case of Arm/Disarm Card, if you don't input Arm/Disarm code, card will be used as Employee Card.**

Transaction

EVENT STATUS

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-09-26	03:35:12	Area 1	01F	Door 3	Reader 3	jimss	TEAM GL	RD	Access Granted	25500070
2005-09-26	03:35:12	Area 1	01F	Door 1	Reader 1	jimss	TEAM GL	RD	Disarm	25500070
2005-09-26	03:35:09	Area 1	01F	Door 1	Reader 1	jimss	TEAM GL	RD	Arm	25500070
2005-09-26	03:34:57	Area 1	01F	Door 1	Reader 1	jimss	TEAM GL	RD	Arm	25500070
2005-09-26	03:34:53	Area 1	01F	Door 1	Reader 1	jimss	TEAM GL	RD	Access Granted	25500070
2005-09-26	03:34:51	Area 1	01F	Door 1	Reader 1	jimss	TEAM GL	RD	Access Granted	25500070

■ Disable Card Definition.

Set Disable Card to operate output by setting time.

- 1) Click 'Add' button on Card Holder List.
- 2) Input information about Disable Person. (Be similar with Employee Card Registration)
- 3) Select Card Option tab.
If you don't select Arm/Disarm Mode in controller setting, option button of Disable Person Card as shown below will show.

Card Holder

Transmit Save Close

Employee No. 00000
Name jimss
Card No. 25500070
Password ****

0%

Detail Information | Access Group | Time & Attendance | User Defined Field | **Card Option**

Card Option

☐ **Employee Card**
Use a registered card. Cardholder place their card to reader. Open the door if card registered to door.

☐ **Management Card**
Use the management card for guard. Since placing visitor card, if place the management card for guard, that door will open.

☒ **Disabled User Card**
Door will be opened during pre-defined time. Door open time can be setup by Input/Output definition.

☐ **Arm / Disarm Card**
To active alert mode enter security number of arm mode and read a card. To deactivate alert mode, enter security number of disarm mode and read a card.

- 4) If you use registered card to Disable Person Card, you must select Disable Person Card.
- 5) Save data clicking 'Save' button.
- 6) Apply to controller clicking Transmit button.

Transaction

EVENT STATUS

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-10-13	00:39:22	Area 1	01F	Door 2	Reader 2	jimss	TEAM GL	RD	Disable User Mode	25500070
2005-10-13	00:39:19	Area 1	01F	Door 2	Reader 2	jimss	TEAM GL	RD	Disable User Mode	25500070
2005-10-13	00:39:17	Area 1	01F	Door 2	Reader 2	jimss	TEAM GL	RD	Disable User Mode	25500070

Cardholder management

- 2 Men Operation.
- Personal Tracking
- **Guard Tour**

○ 2 Men Operation.

Register Management Card and Visitor Card to open access door when Management Card and Visitor Card are read in the reader. If Management Card and Visitor Card is read in the reader, it can function to open access door.

■ Start

Access Control -> Card Holder Management

■ Management Card Registration

Register Management Card to use in 2Men Operation.

- 1) Click 'Add' button in Card Holder List.
- 2) Input information about Management Card of 2Men Operation Card Holder Management screen. (Be similar with Employee Card's registration)
- 3) Move to Card Option tab.

Card Holder

Transmit Save Close

Employee No. 00000
Name jimss
Card No. 25500070
Password ****

0%

Detail Information | Access Group | Time & Attendance | User Defined Filed | **Card Option**

Card Option

☒ **Employee Card**
Use a registered card. Cardholder place their card to reader. Open the door if card registered to door.

☐ **Management Card**
Use the management card for guard. Since placing visitor card, if place the management card for guard, that door will open.

☐ **Disabled User Card**
Door will be opened during pre-defined time. Door open time can be setup by Input/Output definition.

☐ **Arm / Disarm Card**
To active alert mode enter security number of arm mode and read a card. To deactivate alert mode, enter security number of disarm mode and read a card.

- 4) Initial Card Option became Employee Card.
Select 'Management Card' option to register 2Men Operation's Management Card.

Card Holder

Transmit Save Close

Employee No. 00000
Name jimss
Card No. 25500070
Password ****

0%

Detail Information | Access Group | Time & Attendance | User Defined Filed | **Card Option**

Card Option

☐ **Employee Card**
Use a registered card. Cardholder place their card to reader. Open the door if card registered to door.

☒ **Management Card**
Use the management card for guard. Since placing visitor card, if place the management card for guard, that door will open.

☐ **Disabled User Card**
Door will be opened during pre-defined time. Door open time can be setup by Input/Output definition.

☐ **Arm / Disarm Card**
To active alert mode enter security number of arm mode and read a card. To deactivate alert mode, enter security number of disarm mode and read a card.

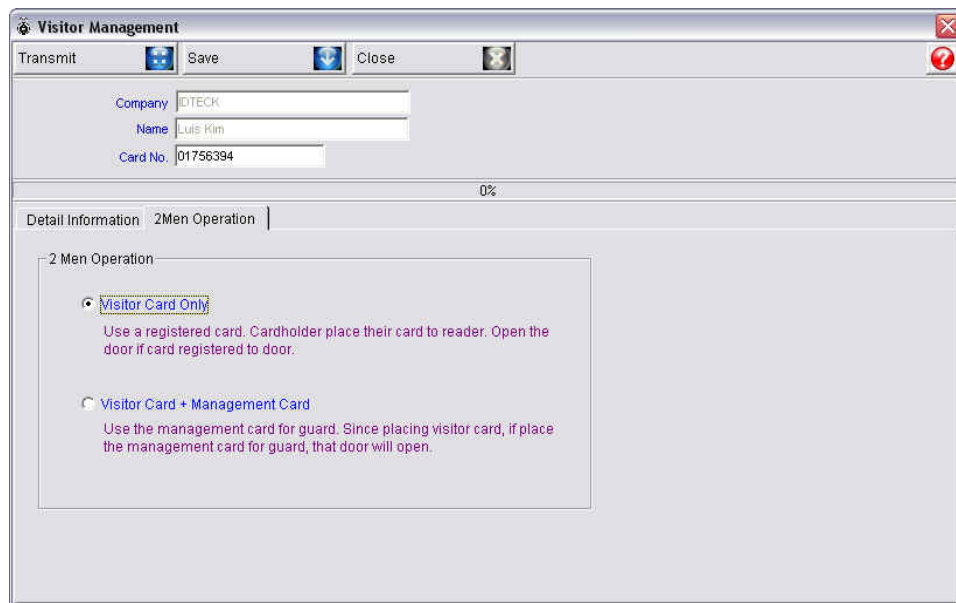
- 5) Save data clicking 'Save' button.

6) Transmit to controller clicking Transmit button.

■ Visitor Card Registration

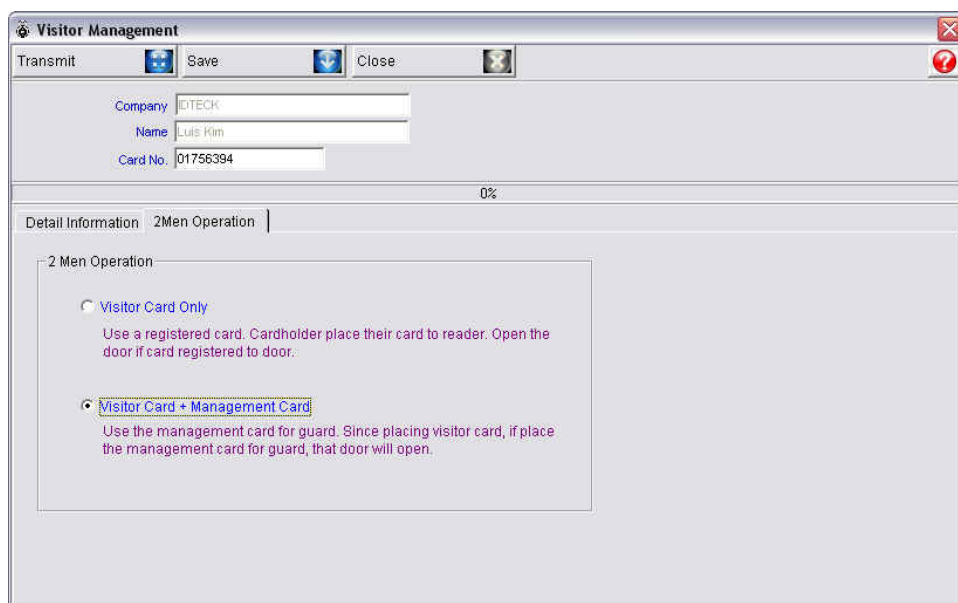
Register Visitor Card to use in 2Men Operation.

- 1) Click Add button on Visitor List.
- 2) Input information about Visitor Card of 2Men Operation on Visitor Management screen. (Be similar with Employee Card.)
- 3) Move to Card Option tab.



The screenshot shows the 'Visitor Management' window. At the top, there are buttons for 'Transmit', 'Save', and 'Close'. Below these are input fields for 'Company' (IDTECK), 'Name' (Luis Kim), and 'Card No.' (01756394). A progress bar shows 0%. The 'Detail Information' tab is active, and the '2Men Operation' sub-tab is selected. Under '2 Men Operation', there are two radio button options: 'Visitor Card Only' (which is selected) and 'Visitor Card + Management Card'. The 'Visitor Card Only' option has a description: 'Use a registered card. Cardholder place their card to reader. Open the door if card registered to door.'

- 4) Initial Card Option became only Visitor Card. Select 'Visitor Card + Management Card' to use Visitor Card of 2Men Operation.



This screenshot is identical to the previous one, but the 'Visitor Card + Management Card' radio button is now selected. Its description reads: 'Use the management card for guard. Since placing visitor card, if place the management card for guard, that door will open.'

- 5) Save data clicking 'Save' button.
- 6) Transmit to controller clicking 'Transmit' button.

■ 2Men Operation

- 1) Make Management Card or Visitor Card read in the reader that is wished to access.

Access Event Status Window

EVENT STATUS WINDOW

Status: **2Men - Guard**

Name: **gimss**

Company: **TEAM GIMSS**

Department: **RD**

Card No.: **25500070**

Date: **2005-09-26** Time: **03:28:47**

Area: **Area 1**

Floor: **01F**

Door: **Door 2**

Reader: **Reader 2**

- 2) After Being read first 2Men Operation Card, Management Card or Visitor Card is read within 5s.

Transaction

EVENT STATUS

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-09-26	03:29:59	Area 1	01F	Door 2	Reader 2	kim	TEAM GL	RD	2Men - Visitor	01756394
2005-09-26	03:29:58	Area 1	01F	Door 2	Reader 2	gimss	TEAM GL	RD	2Men - Guard	25500070

단어가 없습니다.

- 3) If same card is read repeatedly or other card isn't read within 5s, alarm about Time Out will occur.

Transaction

ALARM STATUS

Buttons: Ack All, Ack Partial Alarm, Ack, Alarm Details, Unacknowledged Alarm Data

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-09-26	03:30:52	Area 1	01F	Door 2	Reader 2	kim	TEAM GL	RD	Access Denied	01756394
2005-09-26	03:39:33	Area 1	01F	Door 2	Reader 2	gimss	TEAM GL	RD	2Men - Time Out	25500070

The screenshot shows a software window titled "Access Event Status Window". Inside, there's a header "EVENT STATUS WINDOW". Below it, the status is "2Men - Time Out" in red. To the left is a photo of a young woman. To the right of the photo are fields for Name (gimss), Company (TEAM GIMSS), Department (RD), and Card No. (25500070). Below these are fields for Date (2005-09-26), Time (13:30:33), Area (Area 1), Floor (01F), Door (Door 2), and Reader (Reader 2).

Status		2Men - Time Out	
	Name	gimss	
	Company	TEAM GIMSS	
	Department	RD	
	Card No.	25500070	
Date	2005-09-26	Time	13:30:33
Area	Area 1		
Floor	01F		
Door	Door 2		
Reader	Reader 2		

- **Personal Tracking**

Personal Tracking monitors that access person has been stationed permanently.

- Start

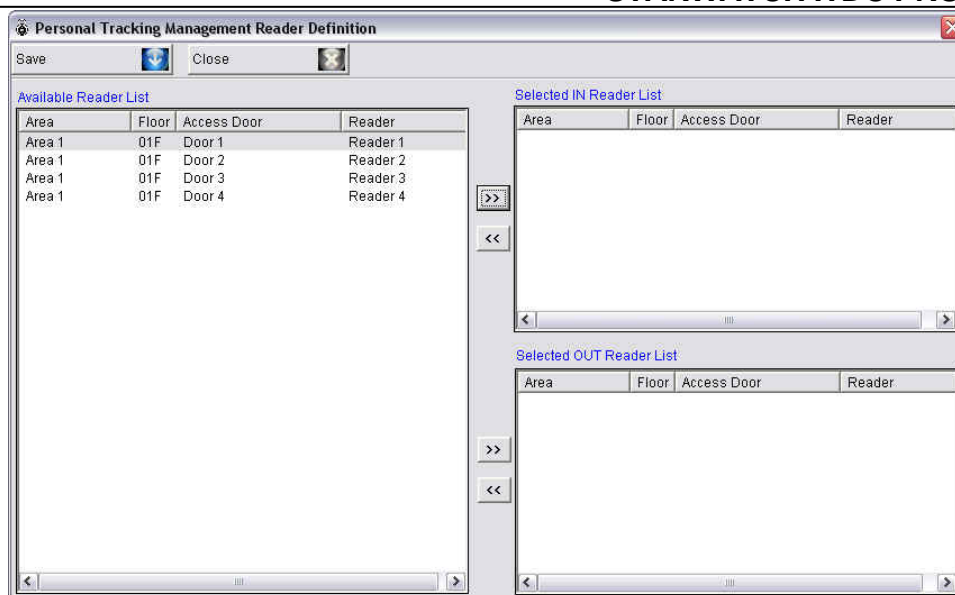
Set Up -> Personal Tracking Reader Definition

- Personal Tracking Reader Definition

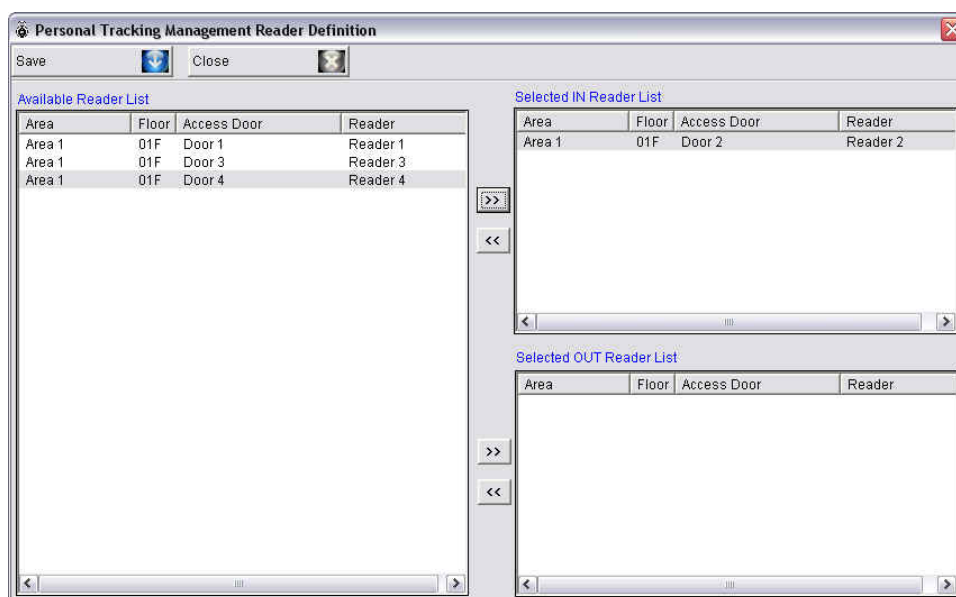
Set IN and OUT Reader List in appointed space for check-in management.

Can understand that check-in condition about read and entered access person through set reader by space's IN Reader. Check-out is processed about read and went out access person through set reader to space's OUT Reader.

6) Execute on the reader's registration about check-in management.



- 7) In Available Reader List, select IN Reader of space that has been wished to check-in management.
- 8) Select IN Reader List clicking '>>' button.



- 9) In Available Reader List, select Out Reader of space that has been wished check-in management.

Personal Tracking Management Reader Definition

Save [Icon] Close [Icon]

Available Reader List

Area	Floor	Access Door	Reader
Area 1	01F	Door 1	Reader 1
Area 1	01F	Door 3	Reader 3

>> <<

Selected IN Reader List

Area	Floor	Access Door	Reader
Area 1	01F	Door 2	Reader 2

< >

Selected OUT Reader List

Area	Floor	Access Door	Reader
Area 1	01F	Door 4	Reader 4

>>> <<<

■ Personal Tracking Report

Finds/ Prints personal tracking report during check-in.

Do leaving process about incorrect data too.

1) Report -> Personal Tracking Report

Personal Tracking Report

Find Condition

☒ All ☐ Card Holders ☐ Visitors

Area [Dropdown] Floor [Dropdown] Door [Dropdown]

Company [Dropdown] Department [Dropdown] Name [Text] Card No. [Text]

Find [Icon] Print [Icon] Close [Icon]

0%

Area	Floor	Door	Company	Department	Name	Date	Time
------	-------	------	---------	------------	------	------	------

Delete [Icon]

2) Click 'Find' button after you select Find Condition. And then it shows personal tracking report, final area and time during check-in.

Personal Tracking Report

Find Condition

☒ All
☐ Card Holders
☐ Visitors

Area:
 Floor:
 Door:

Company:
 Department:
 Name:
 Card No.:

Find Print Close

Area	Floor	Door	Company	Department	Name	Date	Time
Area 1	01F	Door 1	TEAM GIMSS	RD	gimss	2005-09-24	00:51:32
Area 1	01F	Door 1			kim	2005-09-24	00:20:09

Delete

3) If you want to print about Personal Tracking Report, you must click 'Print' button.

Access Personal Tracking Report

Card No.	Company	Department	Name	Date	Time
01756394			kim	2005-09-24	00:20:09
25500070	TEAM GIMSS	RD	gimss	2005-09-24	00:51:32
Total					2
Sum					2

4) If incorrect results come out real check-in condition differently, you can manage forcibly leaving process. You do leaving process selecting incorrect data and clicking 'Yes' button about inquiry that "Delete the data you select?"

Personal Tracking Report

Find Condition

☒ All
☐ Card Holders
☐ Visitors

Area:
 Floor:
 Door:

Company:
 Department:
 Name:
 Card No.:

Find Print Close

0%

Area	Floor	Door	Company	Department	Name	Date	Time
Area 1	01F	Door 1			kim	2005-09-24	00:20:09
Area 1	01F	Door 1	TEAM GIMSS	RD	gimss	2005-09-24	00:51:32

Personal Tracking Report

Delete the data you select

Yes(Y) No(N)

Delete

- **Guard Tour**

Register/Manage card, area and time of Guard Tour.

Manage result according to Guard Tour.

- Start

Access Control -> Guard Tour

- Guard Tour Definition

Set employee, course and time etc. for guard tour.

1) Access Control -> Guard Tour -> Guard Tour Definition

- 2) Select Guard List tab on Guard Tour List. Click 'Add' button to register employee for guard tour.
- 3) Select employee for guard tour among registered access persons. Add employee for guard tour clicking 'Add' button in Guard Tour List.

- 4) Close to register employee for Guard Definition clicking 'Save' button.
- 5) Select Guard Tour List tab on Guard Tour List window. Click 'Add' button to register course and time for guard tour.

Selected Check Points									
Order	Area	Floor	Check Door	Check Reader	Check Point	Check Time (hh:mm)	(+) (hh:mm)	(-) (hh:mm)	
1	Area 1	01F	Door 1	Reader 1		04:00	00:03	00:03	
2	Area 1	01F	Door 2	Reader 2		04:10	00:03	00:03	
3	Area 1	01F	Door 3	Reader 3		04:20	00:03	00:03	
4	Area 1	01F	Door 4	Reader 4		04:30	00:03	00:03	

- 6) Select Guard Tour List tab on Guard Tour List window.
- 7) Input Guard Tour Code and Guard Tour Name.
- 8) If order is appointed, option that 'Sequenced Guard Tour' will be selected. If you check option that 'Sequenced Guard Tour', you can appoint 'Check Time'. And employee for guard tour should progress patrol fitting Check Time.
- 8-1) In case of 'Sequenced Guard Tour', Set 'Tour Time'. Set 'Tolerance for Early Arrival' and 'Tolerance for Late Arrival'.

For standard 'Tolerance for Early Arrival', Guard Tour Employee patrols more early than 'Tolerance for Early Arrival'.

For standard 'Tolerance for Late Arrival', Guard Tour Employee patrols more late than 'Tolerance for Late Arrival'.
- 9) After selecting 'Selected Check Point', register Area for Guard Tour clicking '->' button.

Guard Tour Definition																																																	
Save				Close																																													
Guard Definition		Guard Tour Definition																																															
Guard Tour Code <input type="text" value="001"/>																																																	
Guard Tour Name <input type="text" value="1st Guard Tour"/>																																																	
Sequenced Guard Tour <input checked="" type="checkbox"/>																																																	
Tour Time																																																	
Tour Time		<input type="text" value="04"/>	<input type="text" value="00"/>																																														
Tolerance for Early Arrival		<input type="text" value="03"/>																																															
Tolerance for Late Arrival		<input type="text" value="03"/>																																															
Available Check Point																																																	
Area	Floor	Door	Reader																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>seq.</th> <th>Area</th> <th>Floor</th> <th>Door</th> <th>Reader</th> <th>Time</th> <th>(+)</th> <th>(-)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Area 1</td> <td>01F</td> <td>Door 1</td> <td>Reader 1</td> <td>04:00</td> <td>00:03</td> <td>00:03</td> </tr> <tr> <td>2</td> <td>Area 1</td> <td>01F</td> <td>Door 2</td> <td>Reader 2</td> <td>04:10</td> <td>00:03</td> <td>00:03</td> </tr> <tr> <td>3</td> <td>Area 1</td> <td>01F</td> <td>Door 3</td> <td>Reader 3</td> <td>04:20</td> <td>00:03</td> <td>00:03</td> </tr> <tr> <td>4</td> <td>Area 1</td> <td>01F</td> <td>Door 4</td> <td>Reader 4</td> <td>04:30</td> <td>00:03</td> <td>00:03</td> </tr> </tbody> </table>										seq.	Area	Floor	Door	Reader	Time	(+)	(-)	1	Area 1	01F	Door 1	Reader 1	04:00	00:03	00:03	2	Area 1	01F	Door 2	Reader 2	04:10	00:03	00:03	3	Area 1	01F	Door 3	Reader 3	04:20	00:03	00:03	4	Area 1	01F	Door 4	Reader 4	04:30	00:03	00:03
seq.	Area	Floor	Door	Reader	Time	(+)	(-)																																										
1	Area 1	01F	Door 1	Reader 1	04:00	00:03	00:03																																										
2	Area 1	01F	Door 2	Reader 2	04:10	00:03	00:03																																										
3	Area 1	01F	Door 3	Reader 3	04:20	00:03	00:03																																										
4	Area 1	01F	Door 4	Reader 4	04:30	00:03	00:03																																										

10) Save data clicking 'Save' button.

Guard Tour Status

Use at real guard tour. Can start a guard tour and can see a guard tour list.

- 1) Access Control -> Guard Tour -> Guard Tour Status

Guard Tour Status

Close

Guard Tour Definition | **Guard Tour Status**

Guard Tour Code: 001

Guard Tour Name: 1st Guard Tour

Sequenced Guard Tour: ☒

Selected Check Point

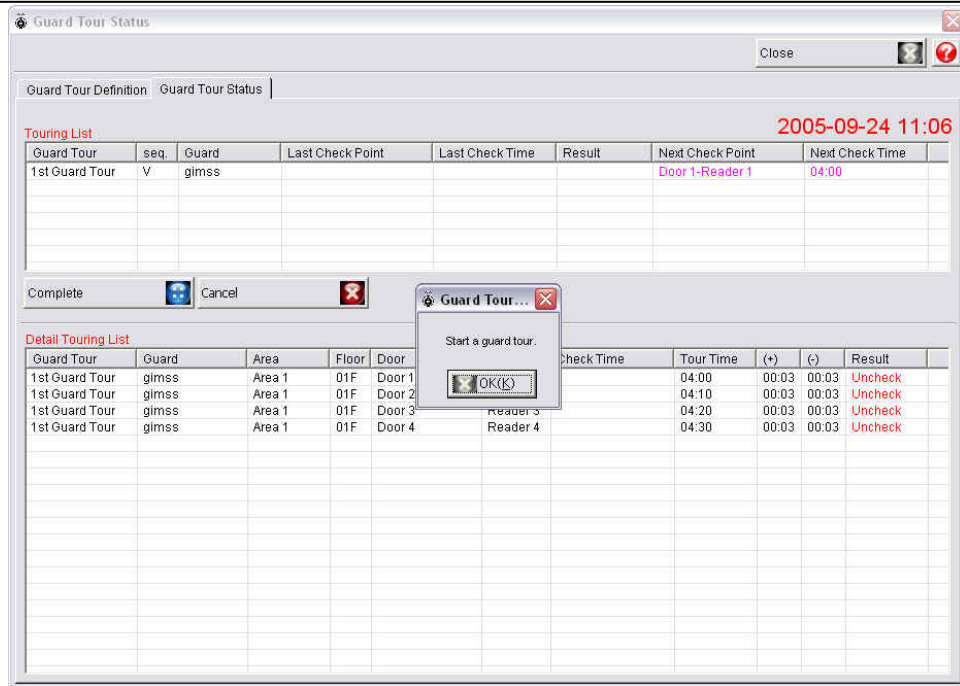
seq.	Area	Floor	Door	Reader	Time	(+)	(-)
1	Area 1	01F	Door 1	Reader 1	04:00	00:03	00:03
2	Area 1	01F	Door 2	Reader 2	04:10	00:03	00:03
3	Area 1	01F	Door 3	Reader 3	04:20	00:03	00:03
4	Area 1	01F	Door 4	Reader 4	04:30	00:03	00:03

Guard List

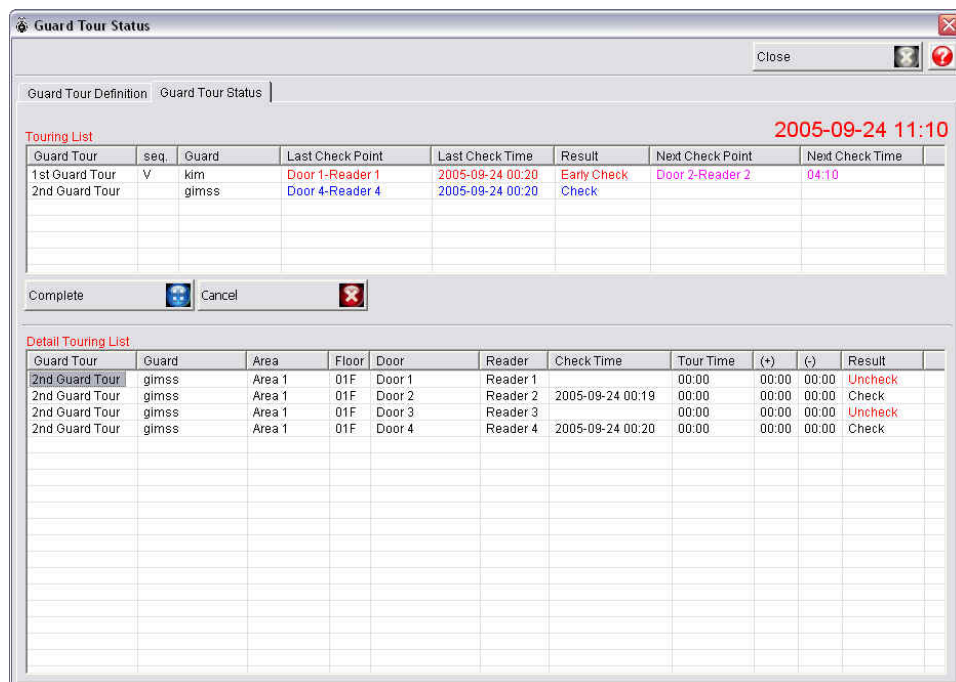
Card No.	Name	Company	Department	Title	Access Type	Remark
01756394 25500070	kim gimss	TEAM GIMSS	RD		Researcher	Guard Tour

Guard Tour Start

- 2) Select 'Guard Tour Code' that you wish to guard tour.
- 3) Select 'Guard Tour Name'.
- 4) Start clicking 'start a guard tour'. Selected person as guard tour employee makes card read in the reader which is selected as area for guard tour.



- 5) If Guard Tour Employee patrols, Touring List and Detail Touring List will show on the screen.



- 6) If you cancel guard tour, you must select 'Guard Tour' wished to cancel in Detail Touring List. Cancel 'Guard Tour' clicking 'Cancel' button. Canceled Detail Touring List was not recorded.
- 7) If guard tour is completed, you must select guard tour that is wished to complete in Detail Touring List. Complete guard tour clicking 'Close' button. Completed detail touring list can be confirmed in Guard Tour Report.

※ Caution : If registered card for guard tour employee don't try 'start a guard tour', it will be used as Employee Card. Only try to 'start a guard tour', it is recognized as guard tour.

Date	Time	Area	Floor	Door	Reader	Name	Company	Department	Status	Card No.
2005-09-24	00:20:09	Area 1	01F	Door 1	Reader 1	kim			Guard Tour	01756394
2005-09-24	00:20:05	Area 1	01F	Door 4	Reader 4	kim			Guard Tour	01756394
2005-09-24	00:20:04	Area 1	01F	Door 2	Reader 2	kim			Guard Tour	01756394
2005-09-24	00:20:00	Area 1	01F	Door 4	Reader 4	gimss	TEAM OL	RD	Guard Tour	25500070
2005-09-24	00:19:59	Area 1	01F	Door 3	Reader 2	gimss	TEAM OL	RD	Guard Tour	25500070
2005-09-24	00:19:04	Area 1	01F	Door 2	Reader 2	gimss	TEAM OL	RD	Access Granted	25500070
2005-09-24	00:19:03	Area 1	01F	Door 2	Reader 2	gimss	TEAM OL	RD	Access Granted	25500070
2005-09-24	00:15:49	Area 1	01F	Door 1	Reader 1	gimss	TEAM OL	RD	Guard Tour	25500070
2005-09-24	00:15:42	Area 1	01F	Door 4	Reader 4	gimss	TEAM OL	RD	Guard Tour	25500070
2005-09-24	00:15:29	Area 1	01F	Door 2	Reader 2	gimss	TEAM OL	RD	Guard Tour	25500070

■ Guard Tour Report

Find about completed guard tour report

- 1) Select Report -> Guard Tour Report.
- 2) Select 'Find Condition'. That is Date(From), Date(To), Guard Tour Code and Guard Tour Name etc.
- 3) Print 'Guard Touring Report' clicking 'Print' button.

Guard Tour Report

Find Condition

Date(From) 2005-09-24 Guard Tour Code Print

Date(To) 2005-09-24 Guard Tour Name Export

Name Close

Card No.

Print... 100% 1/1 Back Forward Export to Excel Export to HTML Export to PDF

Date	Guard Tour Code	Guard Tour Name	Sequence	Card No.	Guard Name
2005-09-24	001	1st Guard Tour	V	01756394	kim

No.	Area	Floor	Check Point	Check Time	Tour Time	Result
1	Area 1	01F	Door 1-Reader 1	04:00	2005-09-24 00:20:09	Early Check
2	Area 1	01F	Door 2-Reader 2	04:10	2005-09-24 00:20:04	Early Check
3	Area 1	01F	Door 3-Reader 3	04:20		Uncheck
4	Area 1	01F	Door 4-Reader 4	04:30	2005-09-24 00:20:05	Early Check
Total Time				00:00		